

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110320\
 Data File : VW017068.D
 Acq On : 03 Nov 2020 18:41
 Operator : SY/VA
 Sample : L4615-06
 Misc : 4.76G/10ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG478

Quant Time: Nov 04 04:12:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 04:03:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	453082	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	387646	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	150284	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	120290	23.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.04%
7) Chloroethane-d5	2.89	69	101997	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.68%
10) 1,1-Dichloroethene-d2	4.03	63	172866	17.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.00%
20) 2-Butanone-d5	7.08	46	53804	54.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.24%
24) Chloroform-d	7.65	84	255650	24.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.84%
26) 1,2-Dichloroethane-d4	8.31	65	124255	25.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.04%
29) Benzene-d6	8.28	84	519810	26.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.40%
33) 1,2-Dichloropropane-d6	9.27	67	146989	27.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.40%
37) Toluene-d8	10.33	98	474093	25.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.16%
38) trans-1,3-Dichloropropene-	10.58	79	51434	22.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.20%
39) 2-Hexanone-d5	10.93	63	42684	56.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108190	26.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	136427	25.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.32%

Target Compounds

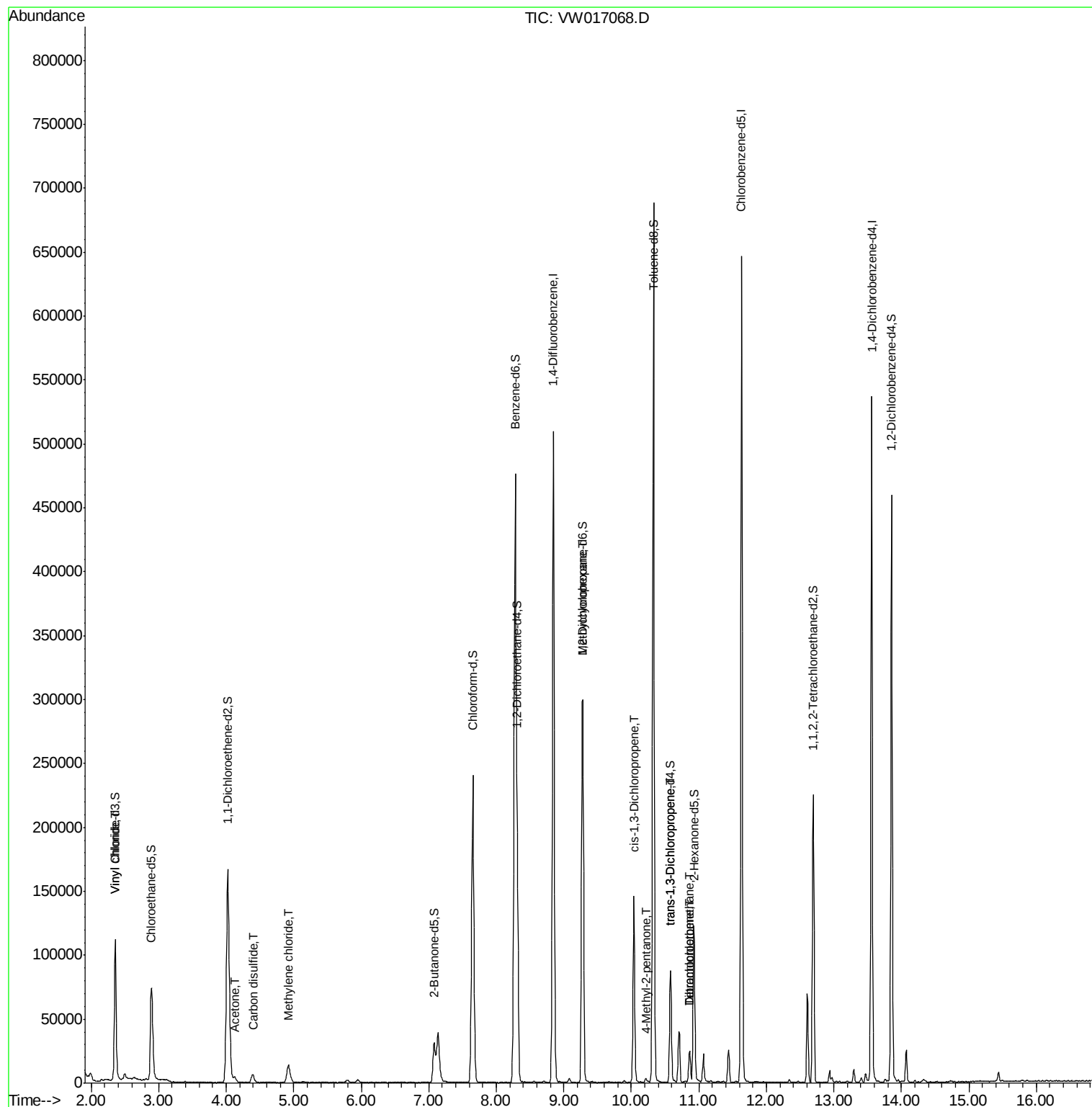
					Ovalue
5) Vinyl chloride	2.36	62	7116	1.089 ug/L #	46
13) Acetone	4.13	43	6305	9.512 ug/L	97
14) Carbon disulfide	4.40	76	10968	0.610 ug/L	99
16) Methylene chloride	4.92	84	12916	2.156 ug/L	91
36) Methylcyclohexane	9.28	83	37686	3.784 ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	3972	0.531 ug/L #	81
43) 4-Methyl-2-pentanone	10.21	43	2342	1.033 ug/L #	74
45) trans-1,3-Dichloropropene	10.58	75	2214	0.357 ug/L	97
47) Tetrachloroethene	10.87	164	6122	1.122 ug/L	89
50) Dibromochloromethane	10.86	129	5445	1.168 ug/L #	10

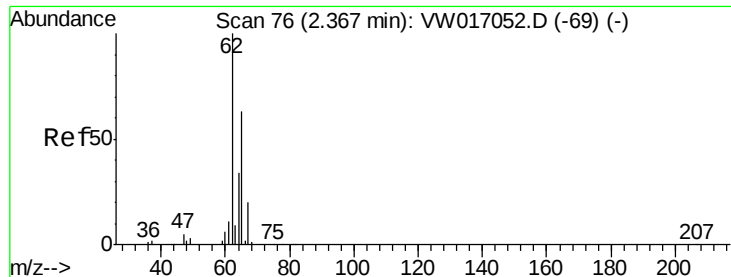
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 04:03:33 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.089 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017068.D

Acq: 03 Nov 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

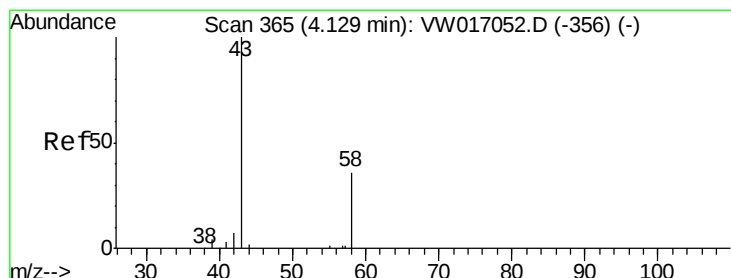
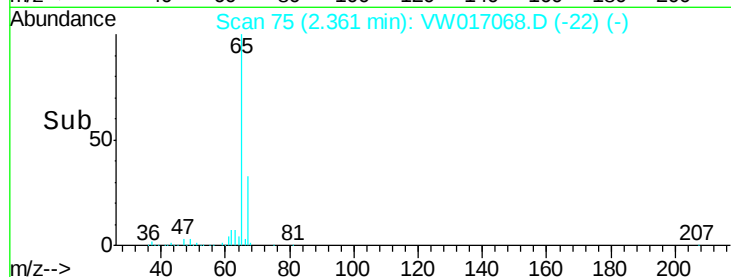
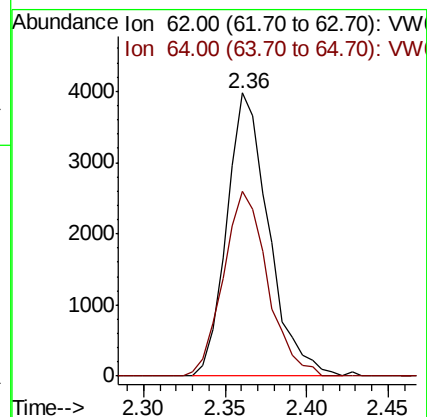
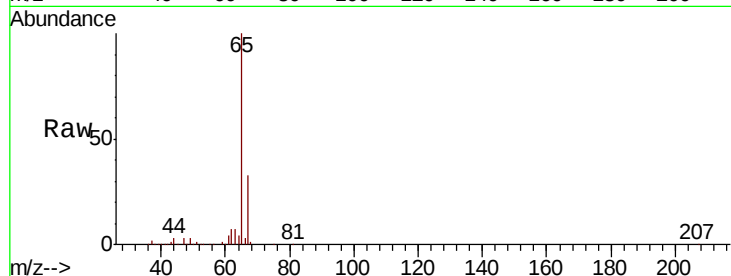
BG478

Tot Ion: 62 Resp: 7116

Ion Ratio Lower Upper

62 100

64 65.2 24.1 44.7#



#13

Acetone

Concen: 9.512 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017068.D

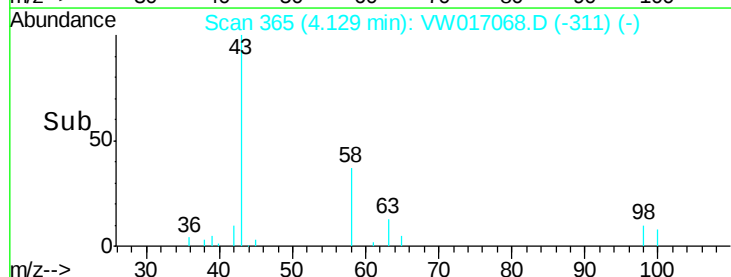
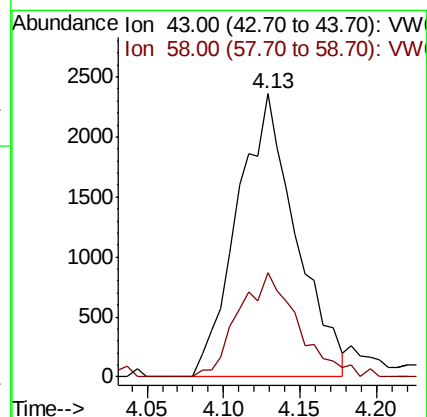
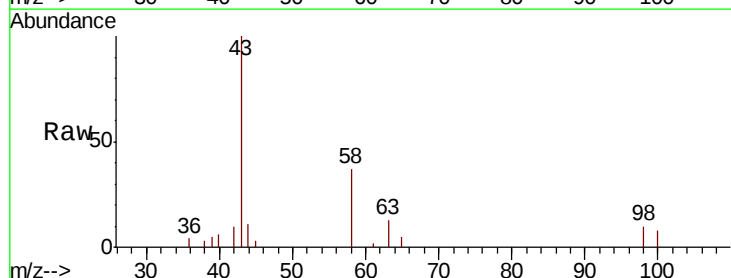
Acq: 03 Nov 2020 18:41

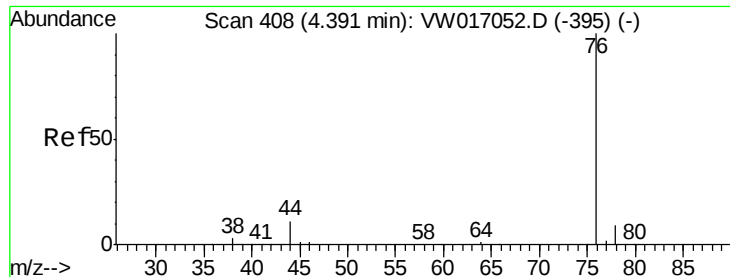
Tgt Ion: 43 Resp: 6305

Ion Ratio Lower Upper

43 100

58 36.9 0.0 69.8





#14

Carbon disulfide

Concen: 0.610 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017068.D

Acq: 03 Nov 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

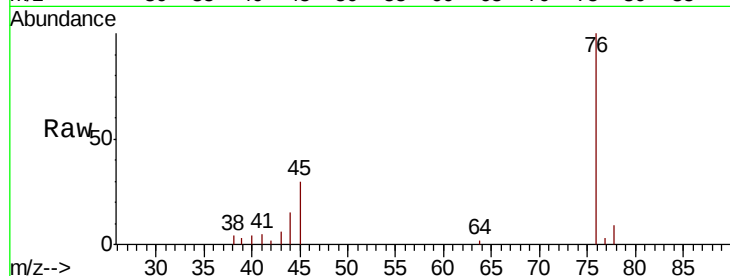
BG478

Tot Ion: 76 Resp: 10968

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.40

4000

3000

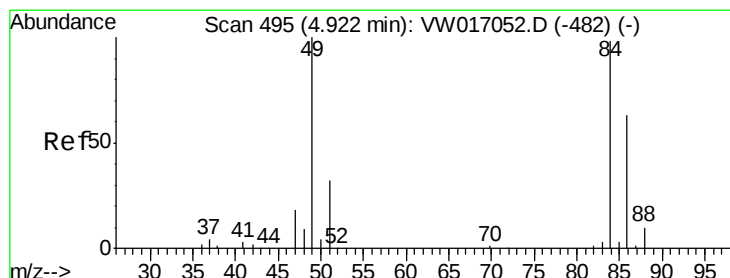
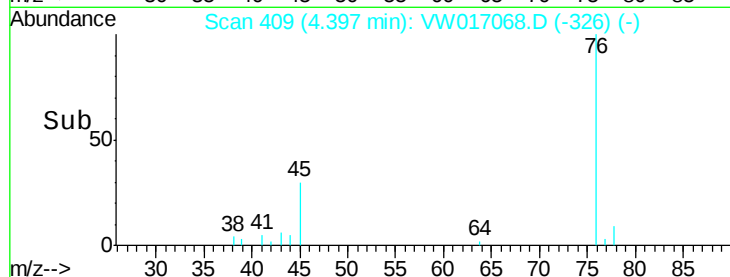
2000

1000

0

4.30 4.35 4.40 4.45

Time-->



#16

Methylene chloride

Concen: 2.156 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017068.D

Acq: 03 Nov 2020 18:41

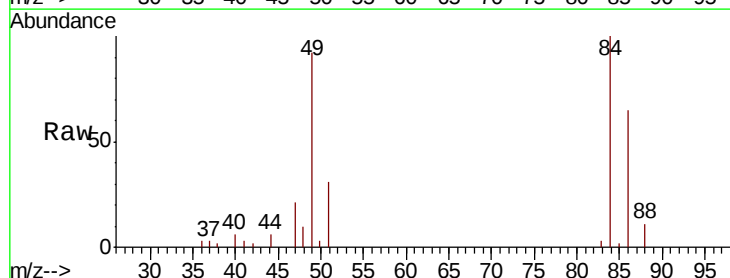
Tgt Ion: 84 Resp: 12916

Ion Ratio Lower Upper

84 100

49 91.6 73.8 137.0

86 65.0 47.4 88.0



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

5000

4000

3000

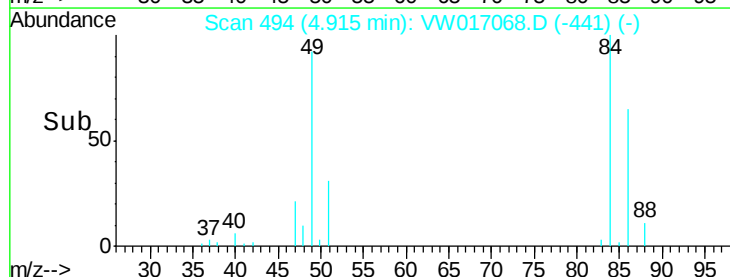
2000

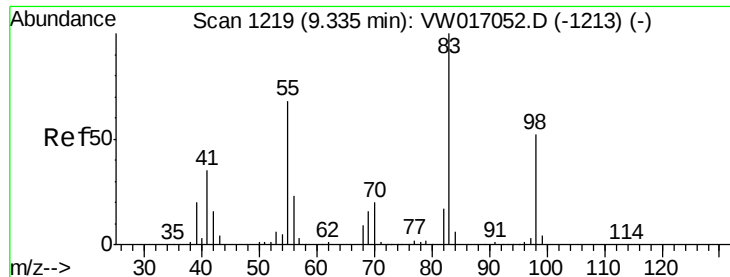
1000

0

4.80 4.90 5.00

Time-->

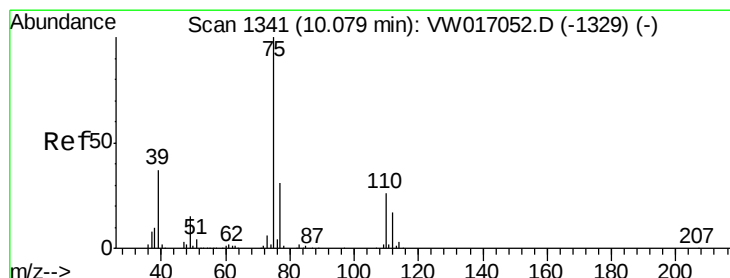
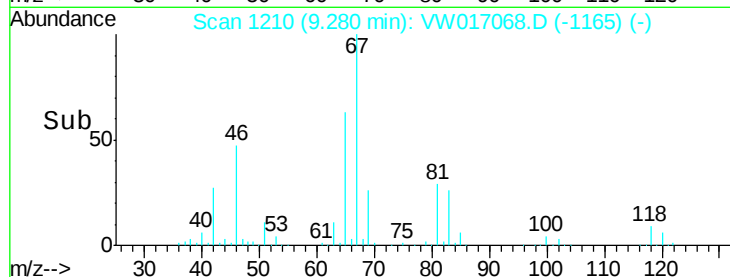
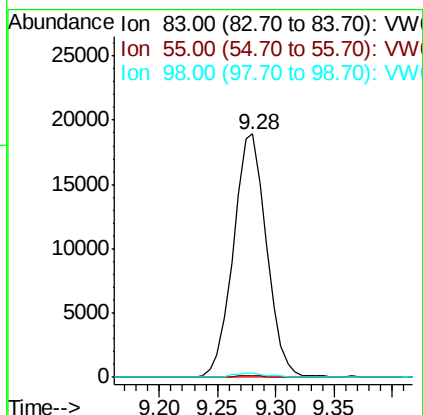
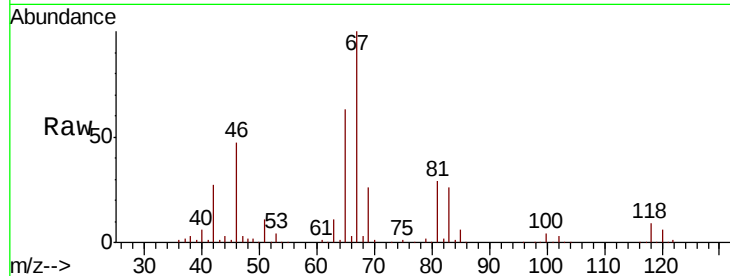




#36
Methylcyclohexane
Concen: 3.784 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.06 min
Lab File: VW017068.D
Acq: 03 Nov 2020 18:41

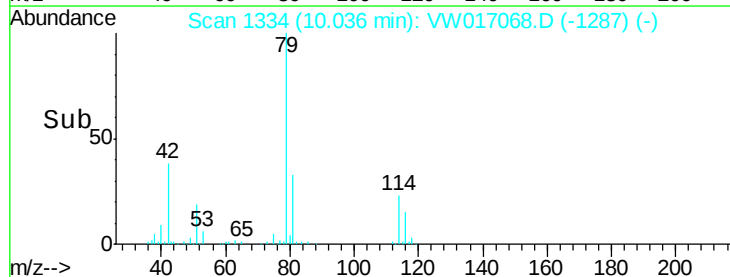
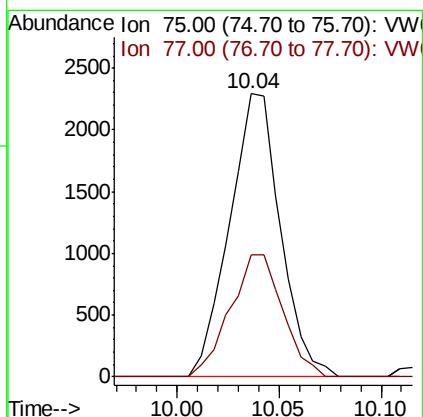
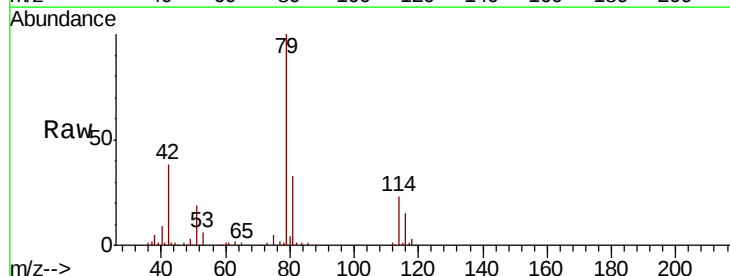
Instrument :
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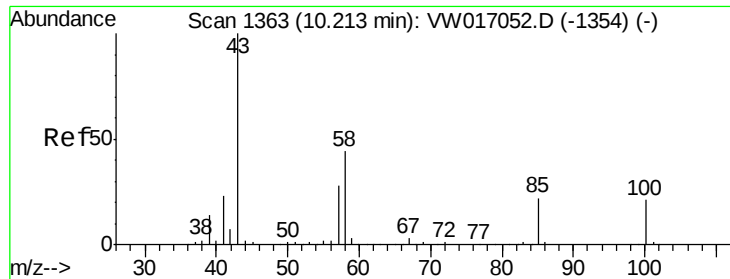
Tot Ion: 83 Resp: 37686
Ion Ratio Lower Upper
83 100
55 0.5 54.5 81.7#
98 1.7 40.8 61.2#



#42
cis-1,3-Dichloropropene
Concen: 0.531 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017068.D
Acq: 03 Nov 2020 18:41

Tgt Ion: 75 Resp: 3972
Ion Ratio Lower Upper
75 100
77 43.3 22.7 42.1#





#43

4-Methyl-2-pentanone

Concen: 1.033 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017068.D

Acq: 03 Nov 2020 18:41

Instrument :

MSVOA_W

ClientSampled :

BG478

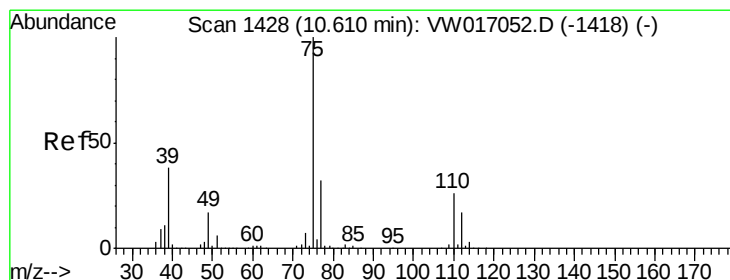
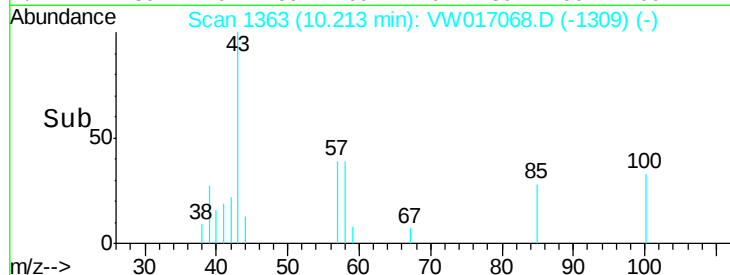
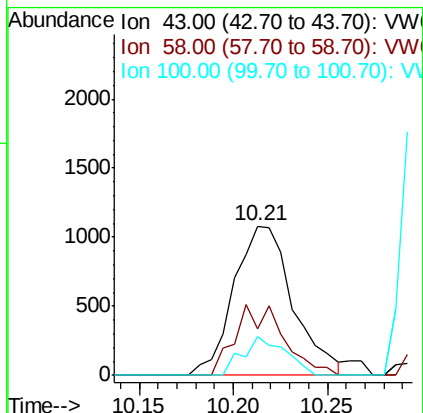
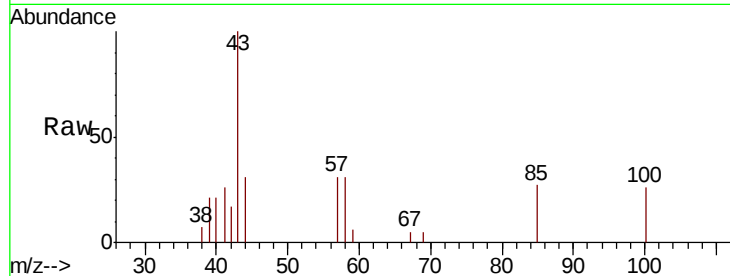
Tot Ion: 43 Resp: 2342

Ion Ratio Lower Upper

43 100

58 19.9 34.4 51.6#

100 18.7 16.2 24.2



#45

trans-1,3-Dichloropropene

Concen: 0.357 ug/L

RT: 10.58 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017068.D

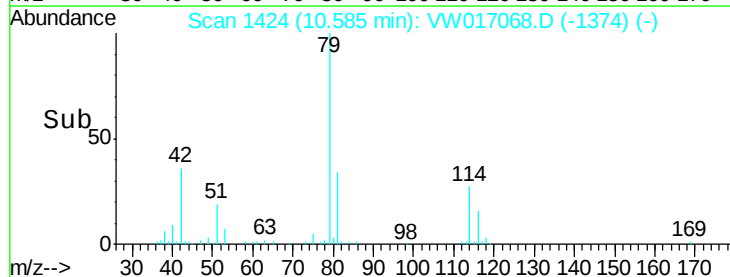
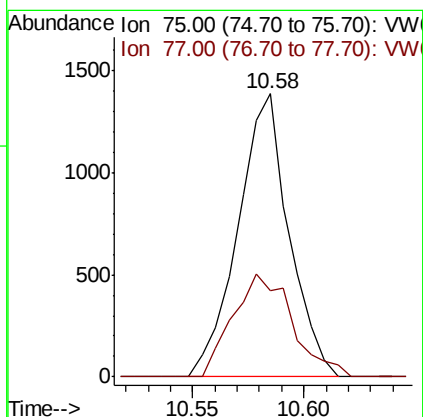
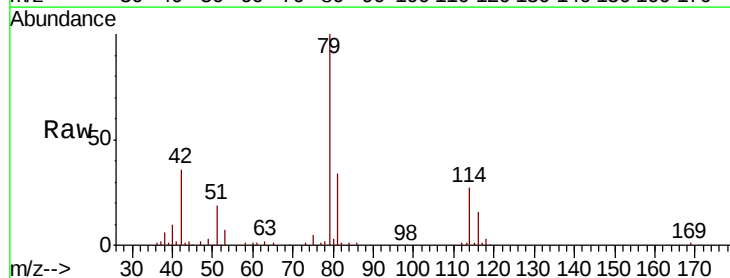
Acq: 03 Nov 2020 18:41

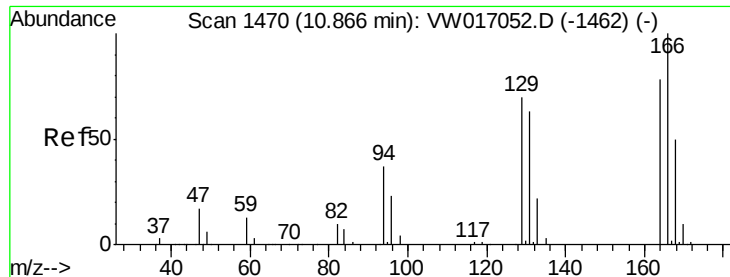
Tgt Ion: 75 Resp: 2214

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.3





#47

Tetrachloroethene

Concen: 1.122 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017068.D

Acq: 03 Nov 2020 18:41

Instrument :

MSVOA_W

ClientSampled :

BG478

Tot Ion:164 Resp: 6122

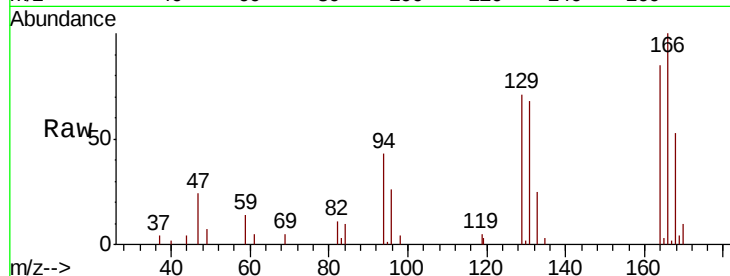
Ion Ratio Lower Upper

164 100

129 84.0 64.0 119.0

131 80.3 61.7 114.5

166 118.2 94.6 175.8

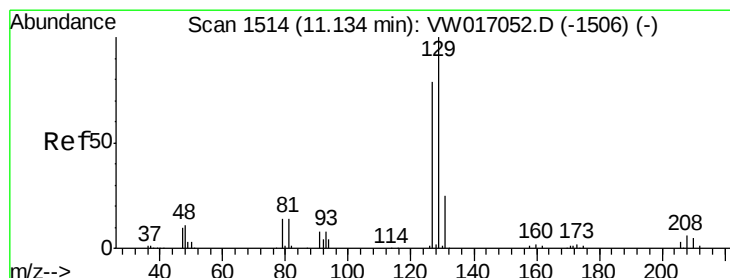
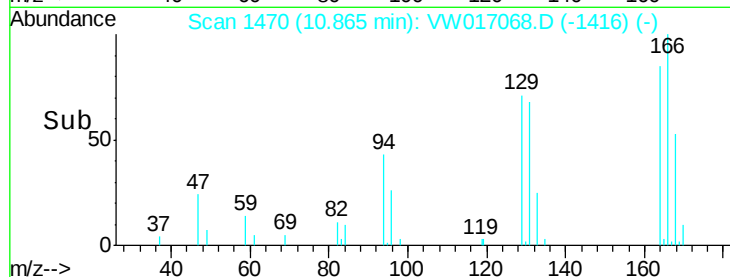
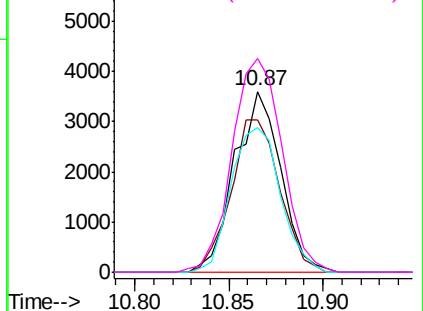


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.168 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW017068.D

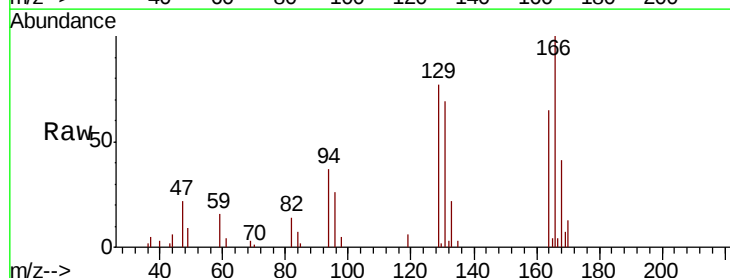
Acq: 03 Nov 2020 18:41

Tgt Ion:129 Resp: 5445

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

