

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110320\
 Data File : VW017054.D
 Acq On : 03 Nov 2020 12:33
 Operator : SY/VA
 Sample : L4615-09
 Misc : 5.56G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG481

Quant Time: Nov 04 04:10:55 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	8.84	114	552586	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	470273	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	210699	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	140752	22.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.28%
7) Chloroethane-d5	2.90	69	116939	23.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.64%
10) 1,1-Dichloroethene-d2	4.02	63	214174	17.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.04%
20) 2-Butanone-d5	7.08	46	42458	35.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.68%
24) Chloroform-d	7.65	84	283948	22.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.12%
26) 1,2-Dichloroethane-d4	8.31	65	125119	20.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.44%
29) Benzene-d6	8.27	84	592548	24.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.12%
33) 1,2-Dichloropropane-d6	9.27	67	159561	24.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.88%
37) Toluene-d8	10.32	98	554108	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.44%
38) trans-1,3-Dichloropropene-	10.58	79	58934	21.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.20%
39) 2-Hexanone-d5	10.93	63	33958	37.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	95217	19.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	168828	22.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.20%

Target Compounds

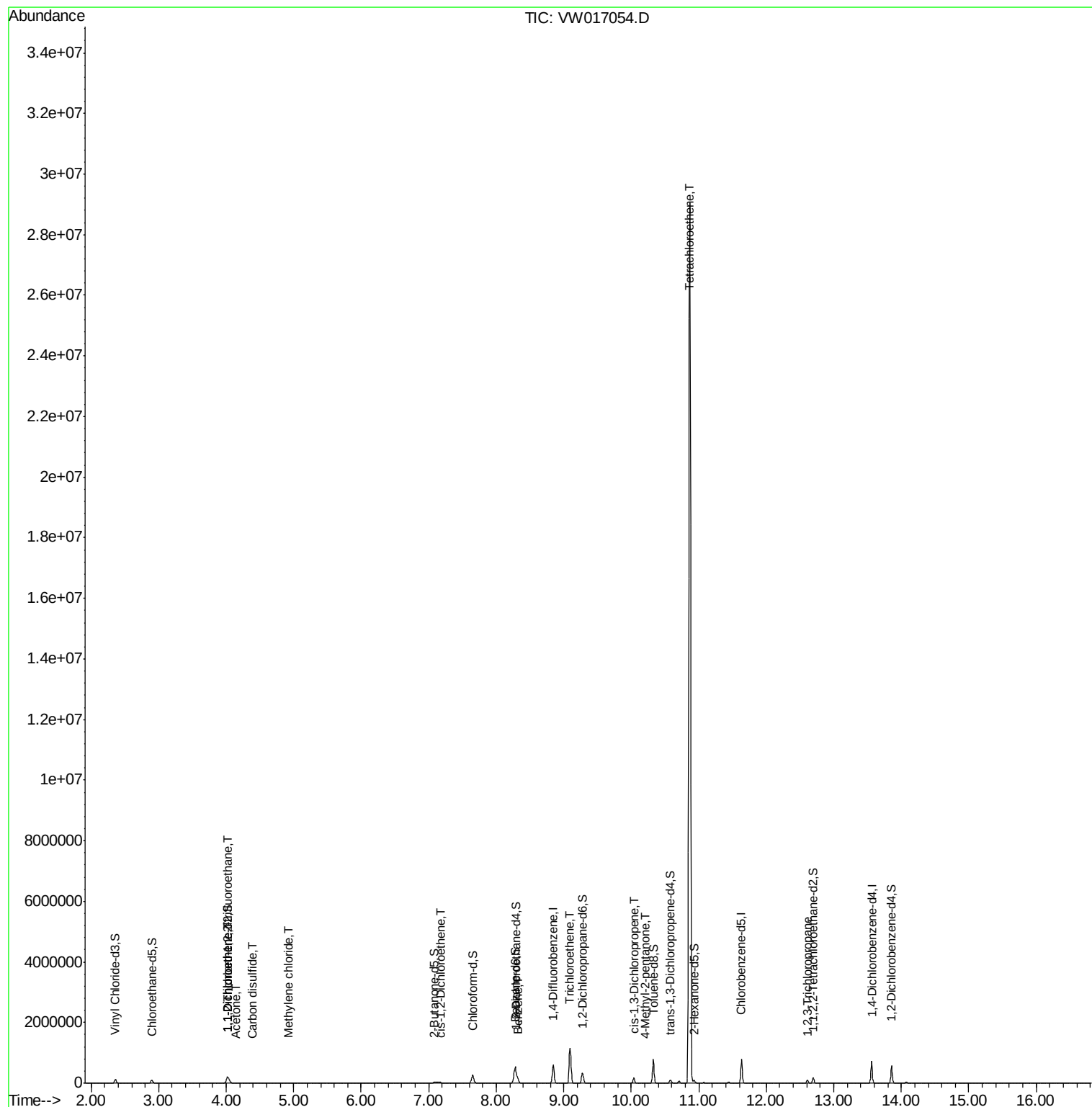
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	2178	0.286	ug/L #	17
12) 1,1-Dichloroethene	4.03	96	7859	1.086	ug/L #	1
13) Acetone	4.15	43	1163	1.439	ug/L	97
14) Carbon disulfide	4.39	76	18516	0.844	ug/L	98
16) Methylene chloride	4.92	84	10275	1.406	ug/L	98
22) cis-1,2-Dichloroethene	7.18	96	7018	0.918	ug/L	85
34) Benzene	8.33	78	44401	1.709	ug/L	100
35) Trichloroethene	9.09	95	405726	56.389	ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	4335	0.478	ug/L #	68
43) 4-Methyl-2-pentanone	10.21	43	2840	1.033	ug/L #	90
47) Tetrachloroethene	10.87	164	7366442	1112.997	ug/L	91
59) 1,2,3-Trichloropropane	12.62	75	876	0.246	ug/L	99

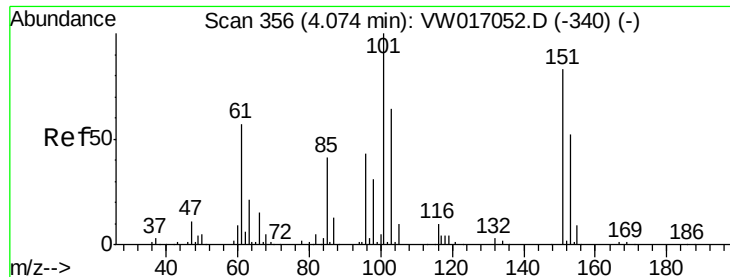
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Nov 04 04:03:33 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.286 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW017054.D

Acq: 03 Nov 2020 12:33

Instrument :

MSVOA_W

ClientSampled :

BG481

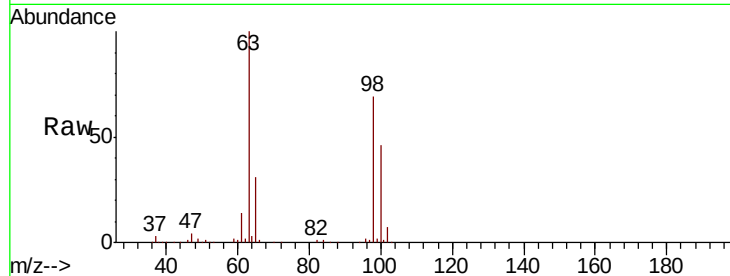
Tot Ion:101 Resp: 2178

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

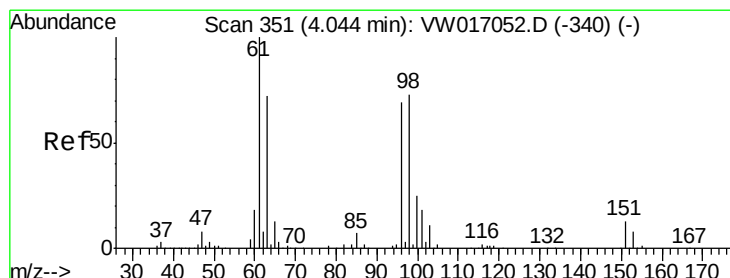
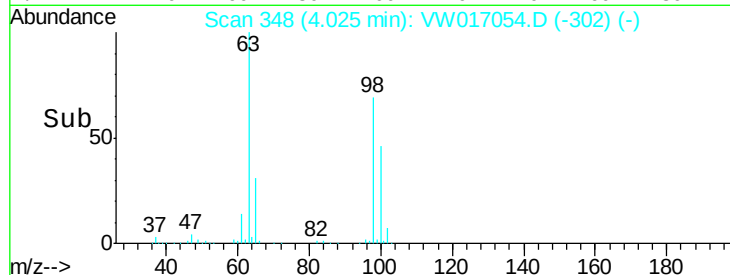
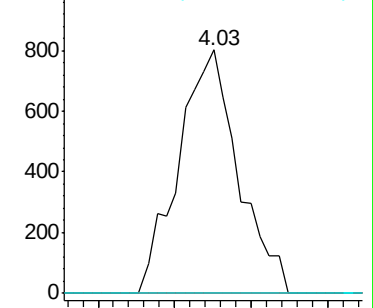
151 0.0 65.7 98.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.086 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW017054.D

Acq: 03 Nov 2020 12:33

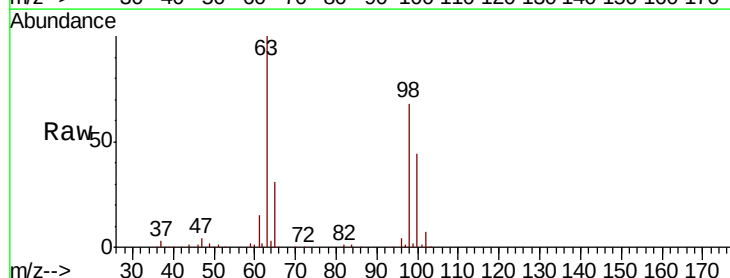
Tgt Ion: 96 Resp: 7859

Ion Ratio Lower Upper

96 100

61 383.3 101.4 188.4#

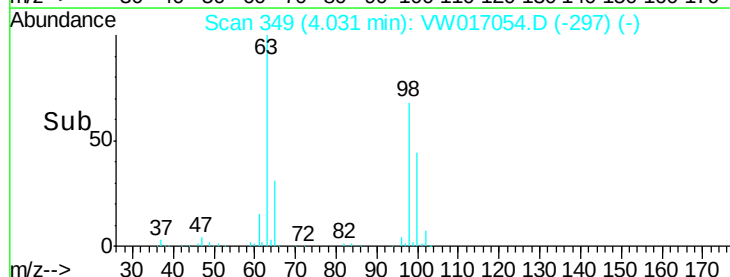
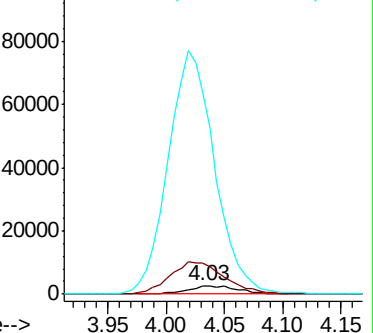
63 2501.2 78.5 145.9#

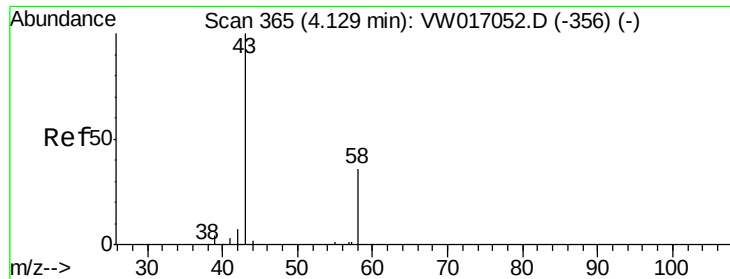


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 1.439 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW017054.D

Acq: 03 Nov 2020 12:33

Instrument :

MSVOA_W

ClientSampled :

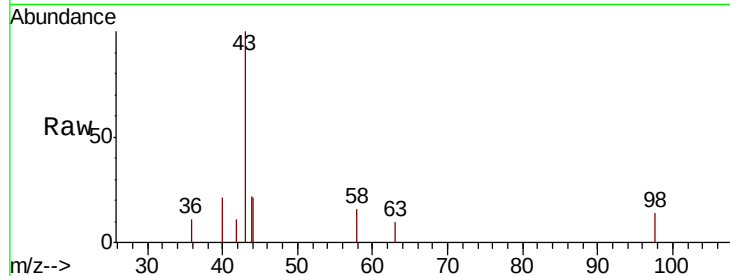
BG481

Tot Ion: 43 Resp: 1163

Ion Ratio Lower Upper

43 100

58 36.8 0.0 69.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

800

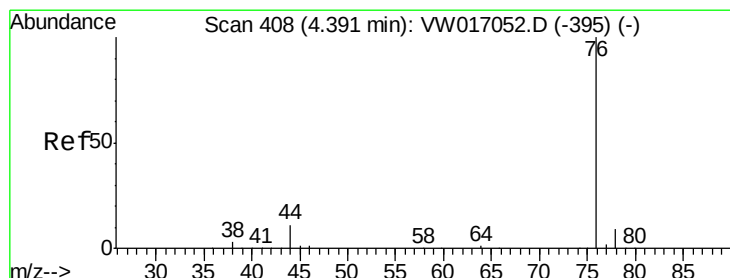
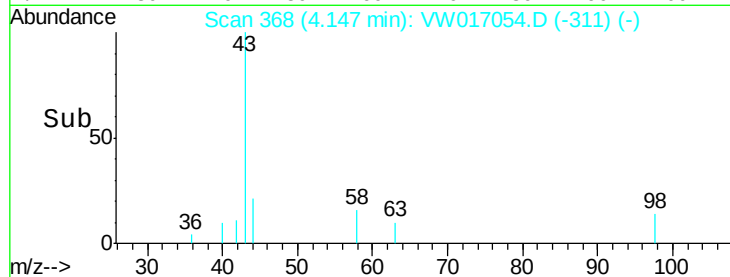
600

400

200

0

Time-->



#14

Carbon disulfide

Concen: 0.844 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017054.D

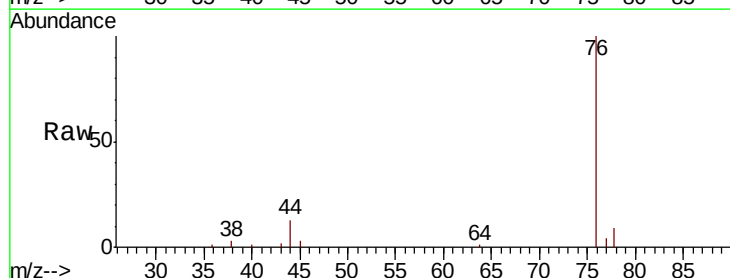
Acq: 03 Nov 2020 12:33

Tgt Ion: 76 Resp: 18516

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

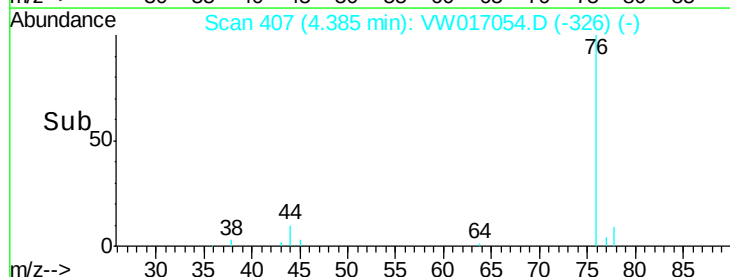
6000

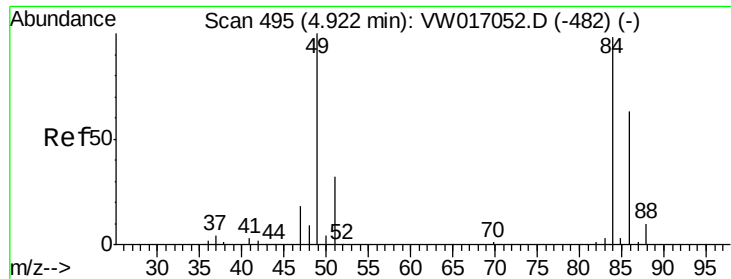
4000

2000

0

Time-->

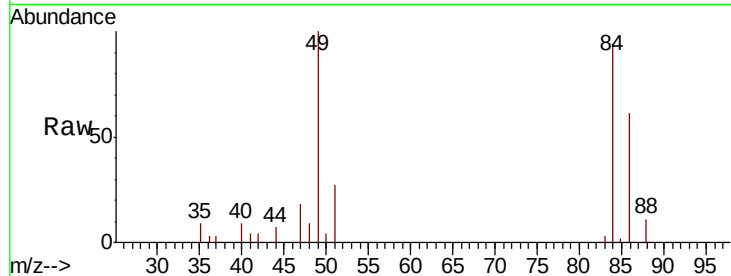




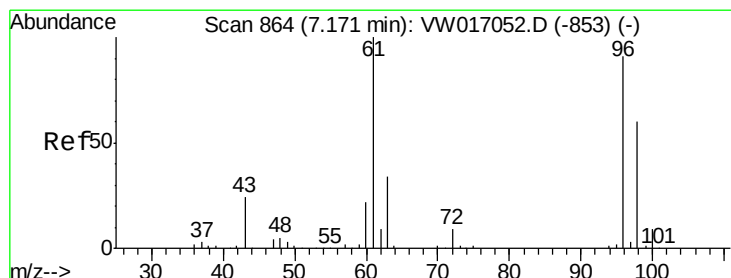
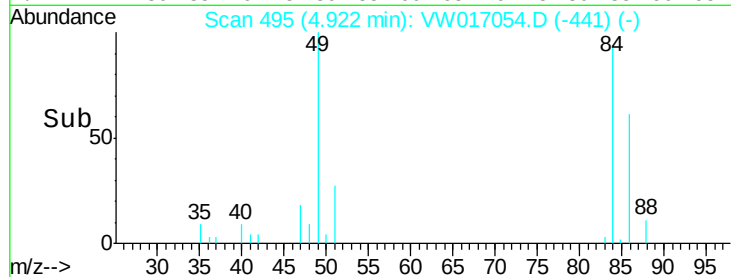
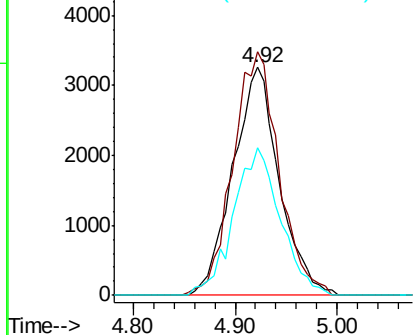
#16
Methylene chloride
Concen: 1.406 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017054.D
Acq: 03 Nov 2020 12:33

Instrument :
MSVOA_W
ClientSampled :
BG481

Tot Ion: 84 Resp: 10275
Ion Ratio Lower Upper
84 100
49 106.9 73.8 137.0
86 64.7 47.4 88.0

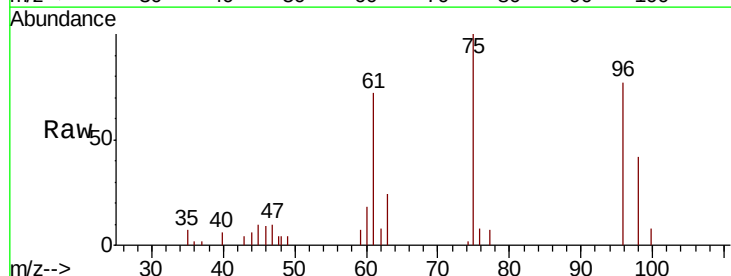


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

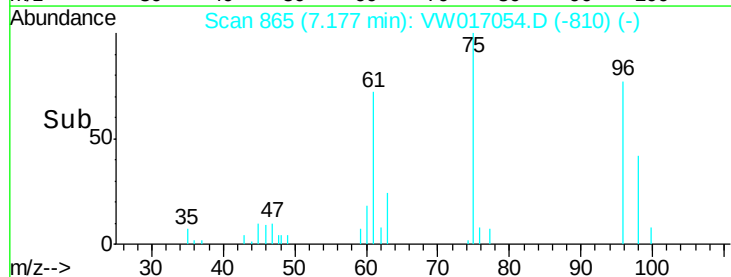
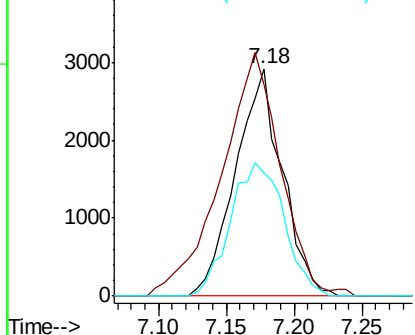


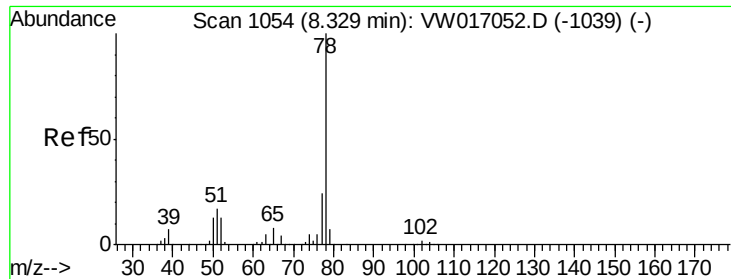
#22
cis-1,2-Dichloroethene
Concen: 0.918 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017054.D
Acq: 03 Nov 2020 12:33

Tgt Ion: 96 Resp: 7018
Ion Ratio Lower Upper
96 100
61 93.1 77.4 143.8
98 54.1 44.4 82.5



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





#34

Benzene

Concen: 1.709 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW017054.D

Acq: 03 Nov 2020 12:33

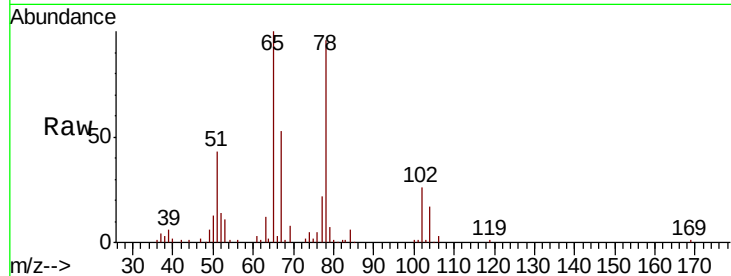
Instrument :

MSVOA_W

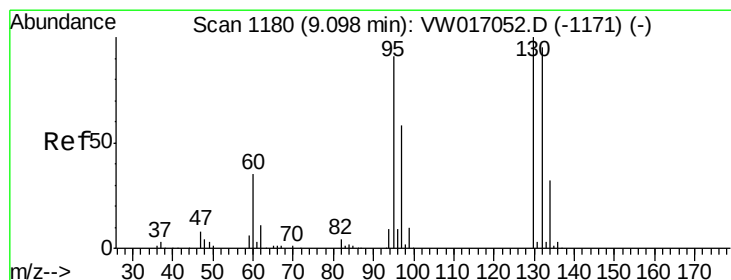
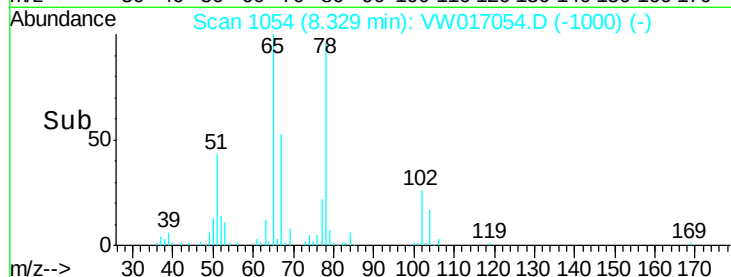
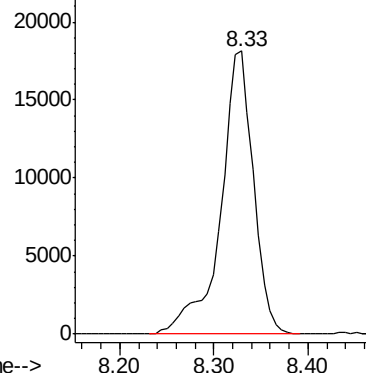
ClientSampleId :

BG481

Tgt Ion: 78 Resp: 44401



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 56.389 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW017054.D

Acq: 03 Nov 2020 12:33

Tgt Ion: 95 Resp: 405726

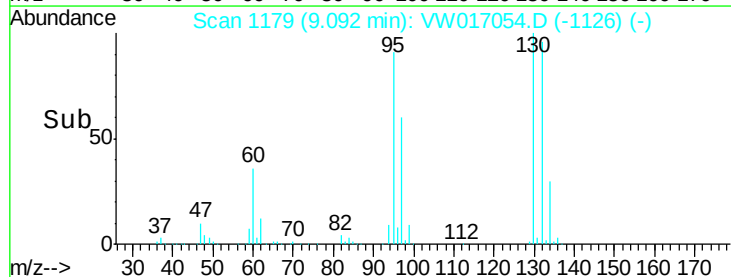
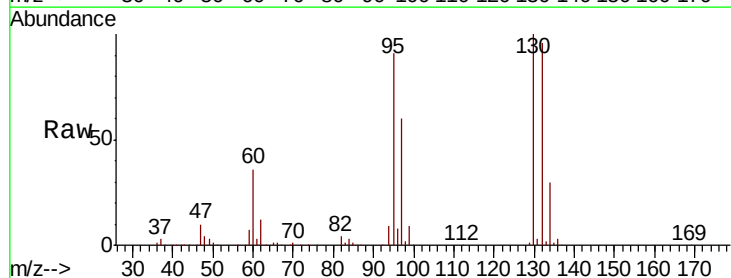
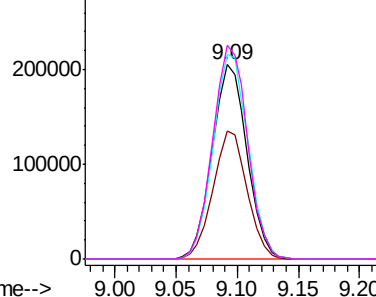
Ion	Ratio	Lower	Upper
95	100		
97	64.7	46.0	85.4
132	106.6	73.9	137.3
130	110.5	77.6	144.2

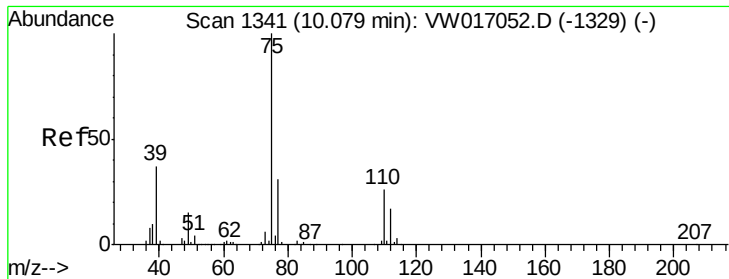
Abundance Ion 95.00 (94.70 to 95.70): VW

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





#42

cis-1,3-Dichloropropene

Concen: 0.478 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017054.D

Acq: 03 Nov 2020 12:33

Instrument :

MSVOA_W

ClientSampled :

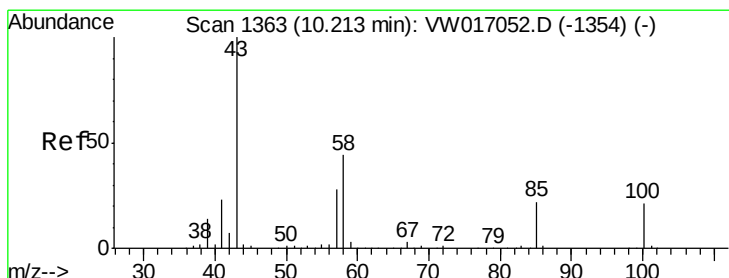
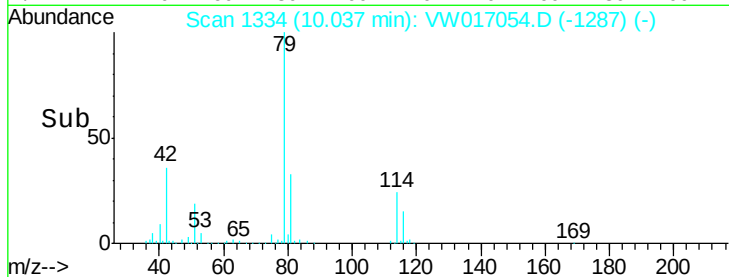
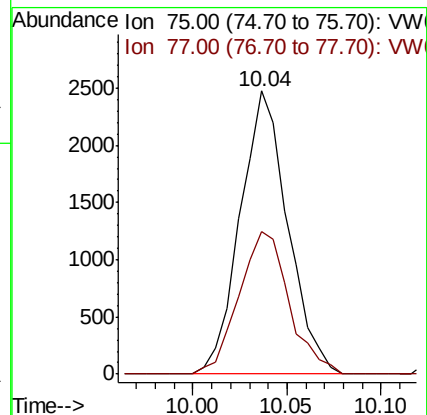
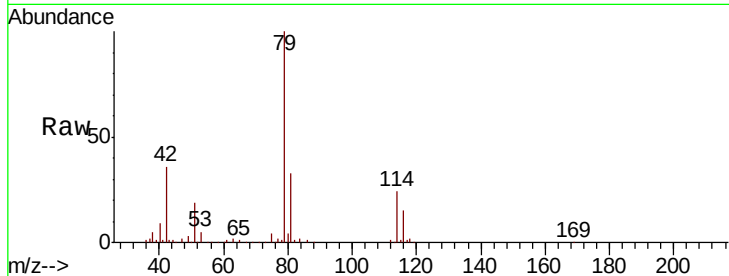
BG481

Tot Ion: 75 Resp: 4335

Ion Ratio Lower Upper

75 100

77 50.2 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: VW017054.D

Acq: 03 Nov 2020 12:33

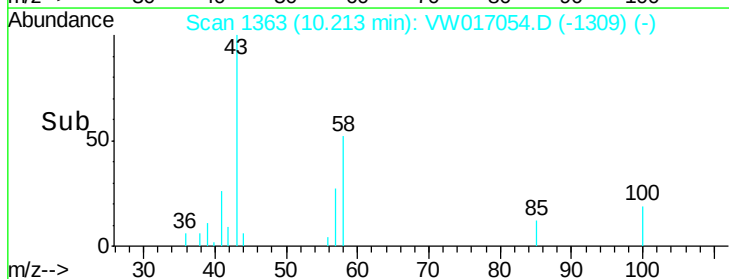
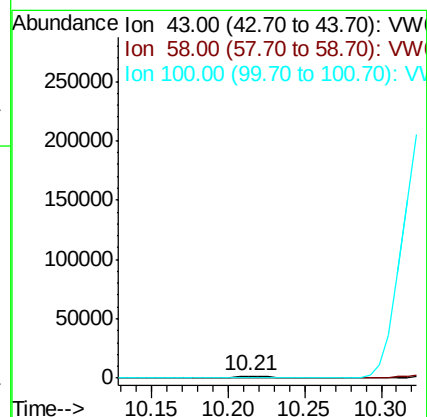
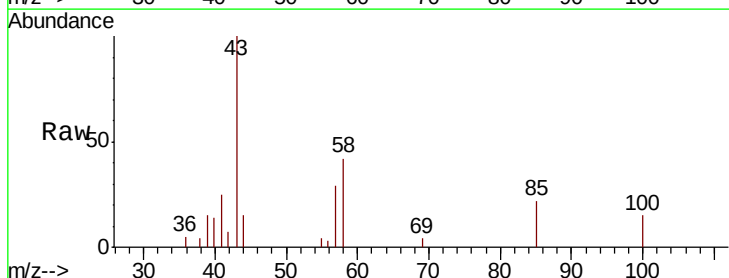
Tgt Ion: 43 Resp: 2840

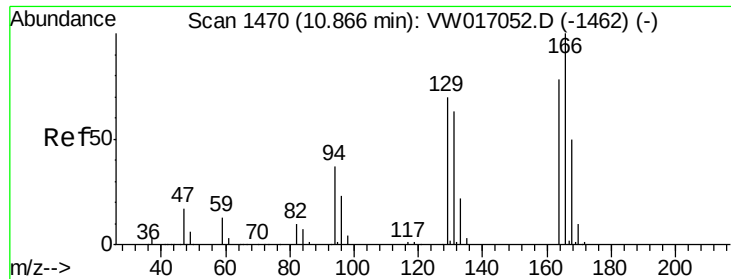
Ion Ratio Lower Upper

43 100

58 40.4 34.4 51.6

100 9.3 16.2 24.2#





#47

Tetrachloroethene

Concen: 1112.997 ug/L

RT: 10.87 min Scan# 1471

Delta R.T. 0.01 min

Lab File: VW017054.D

Acq: 03 Nov 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

BG481

Tot Ion:164 Resp: 7366442

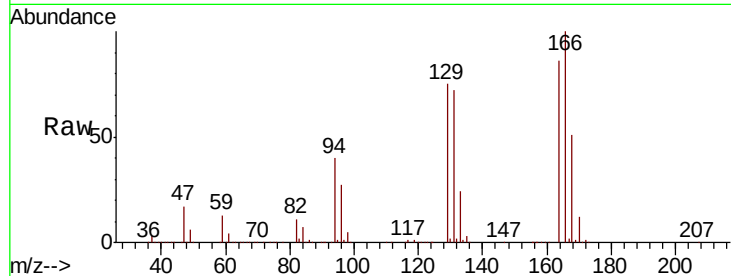
Ion Ratio Lower Upper

164 100

129 87.5 64.0 119.0

131 84.1 61.7 114.5

166 116.1 94.6 175.8

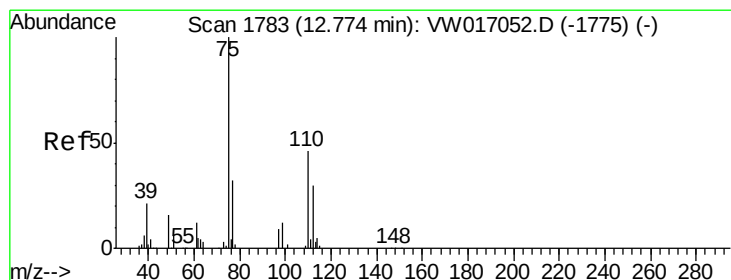
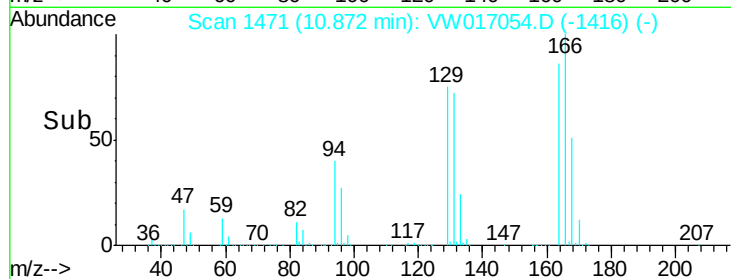
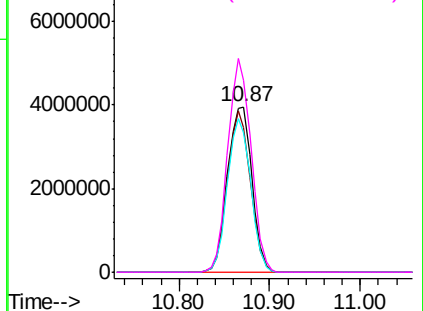


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 0.246 ug/L

RT: 12.62 min Scan# 1757

Delta R.T. -0.16 min

Lab File: VW017054.D

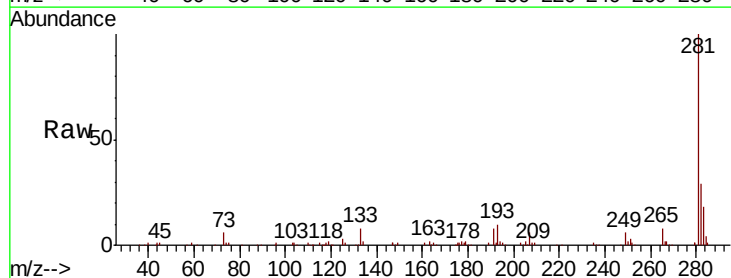
Acq: 03 Nov 2020 12:33

Tgt Ion: 75 Resp: 876

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

