

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
 Data File : VW017169.D
 Acq On : 11 Nov 2020 17:22
 Operator : SY/VA
 Sample : L4693-21
 Misc : 5.53G/10ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E7

Quant Time: Nov 12 03:17:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 03:07:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	465002	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	423406	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	193162	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	128442	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.72%
7) Chloroethane-d5	2.89	69	108430	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.08%
10) 1,1-Dichloroethene-d2	4.02	63	177300	16.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.68%
20) 2-Butanone-d5	7.09	46	39035	29.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.60%
24) Chloroform-d	7.65	84	254003	23.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	8.31	65	119500	22.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.56%
29) Benzene-d6	8.28	84	512185	23.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.00%
33) 1,2-Dichloropropane-d6	9.28	67	135938	22.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.16%
37) Toluene-d8	10.33	98	486045	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.64%
38) trans-1,3-Dichloropropene-	10.58	79	52349	19.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.88%
39) 2-Hexanone-d5	10.93	63	33070	31.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93879	18.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	160955	23.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.60%

Target Compounds

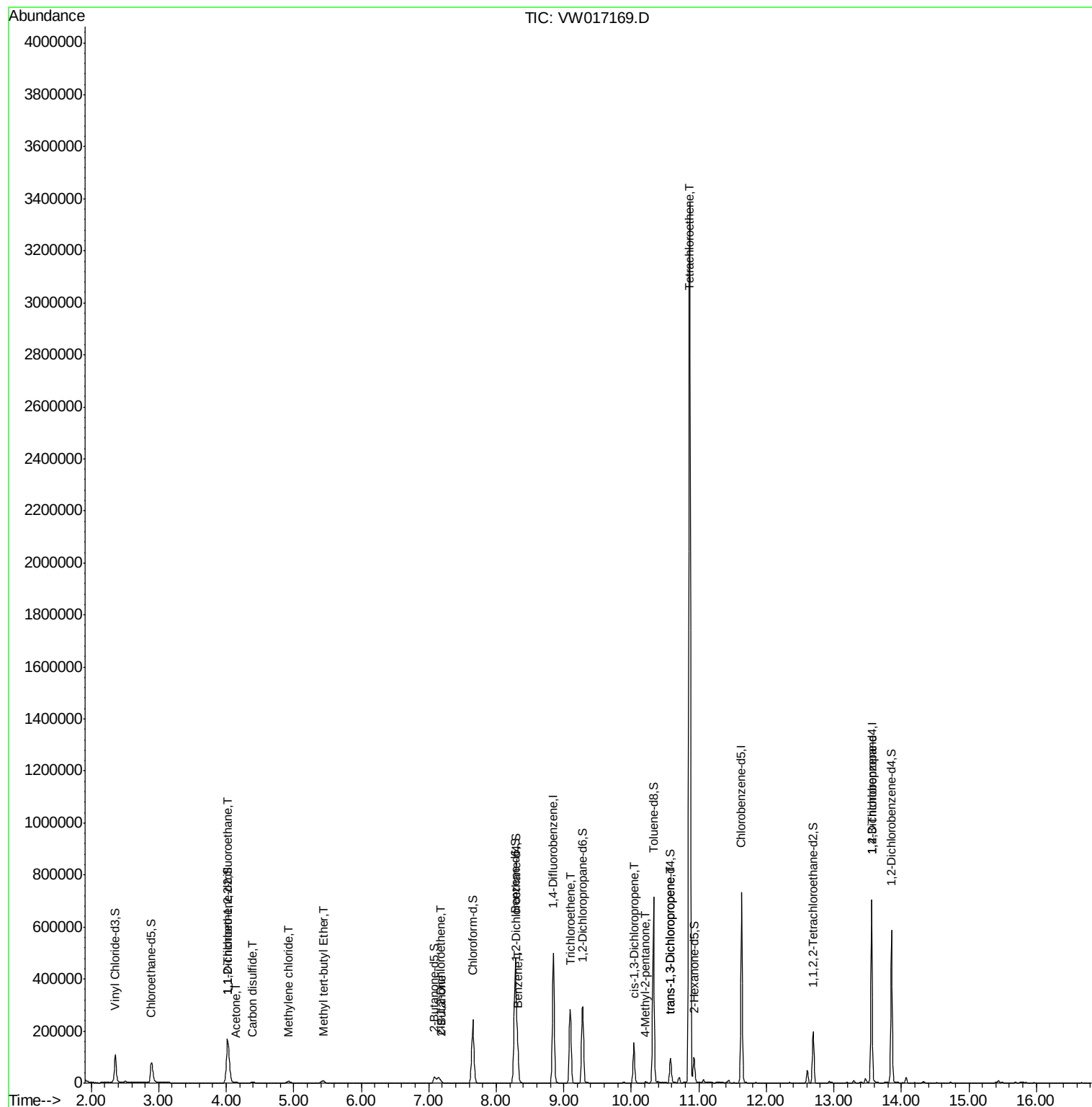
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1543	0.257	ug/L #	17
13) Acetone	4.15	43	5064	5.774	ug/L	77
14) Carbon disulfide	4.38	76	9894	0.630	ug/L	100
16) Methylene chloride	4.92	84	5340	0.852	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	14111	2.002	ug/L	99
21) 2-Butanone	7.19	43	1109	0.788	ug/L	90
22) cis-1,2-Dichloroethene	7.18	96	2798	0.443	ug/L	81
34) Benzene	8.33	78	16335	0.735	ug/L	100
35) Trichloroethene	9.10	95	98872	15.875	ug/L	98
42) cis-1,3-Dichloropropene	10.04	75	4059	0.493	ug/L #	64
43) 4-Methyl-2-pentanone	10.22	43	3211	1.001	ug/L #	88
45) trans-1,3-Dichloropropene	10.58	75	2627	0.372	ug/L	83
47) Tetrachloroethene	10.87	164	806063	143.451	ug/L	91
59) 1,2,3-Trichloropropane	13.56	75	20062	5.392	ug/L	89

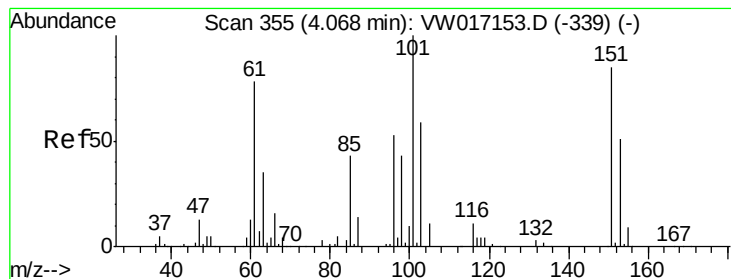
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 12 03:07:51 2020
Response via : Initial Calibration





#11

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

Concen: 0.257 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.04 min

Lab File: VW017169.D

Acq: 11 Nov 2020 17:22

Instrument :

MSVOA_W

ClientSampled :

BG4E7

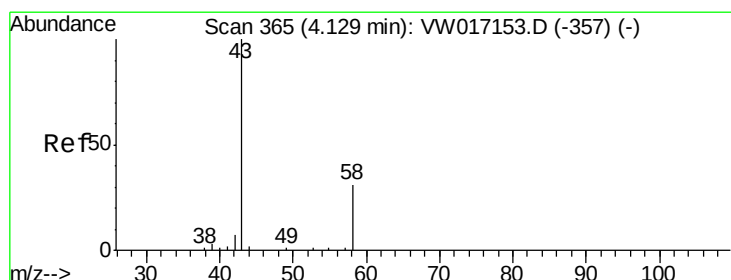
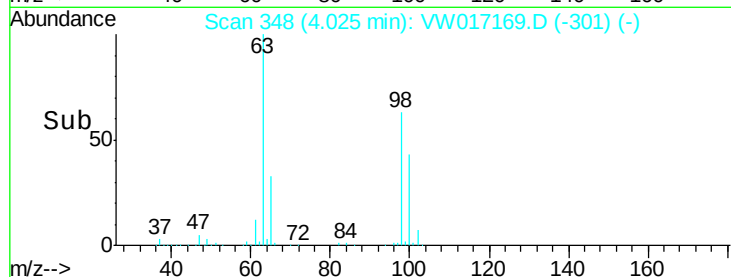
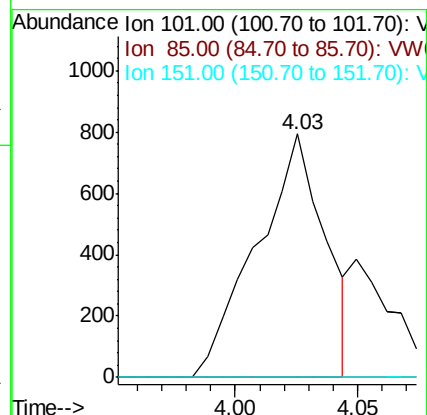
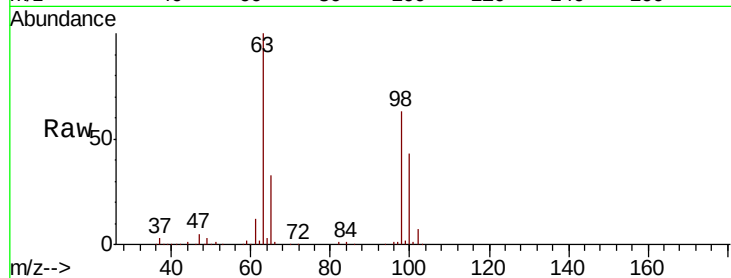
Tot Ion:101 Resp: 1543

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.4 98.2#



#13

Acetone

Concen: 5.774 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW017169.D

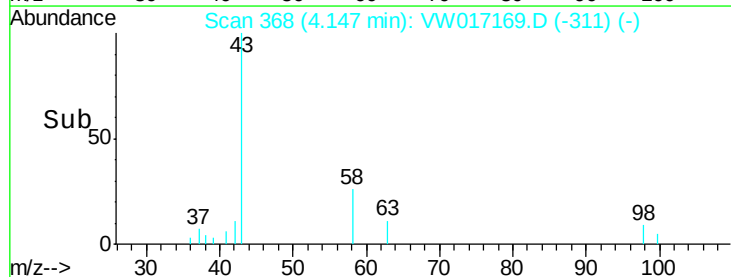
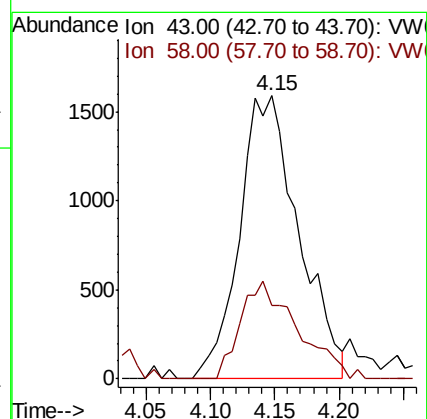
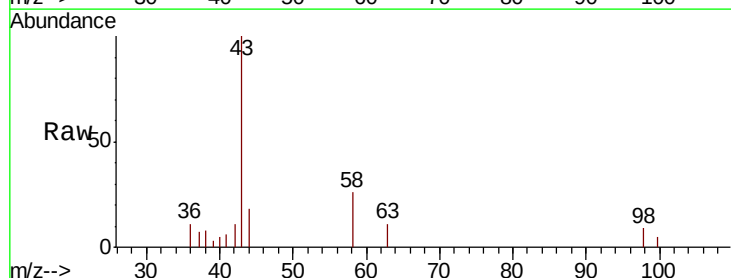
Acq: 11 Nov 2020 17:22

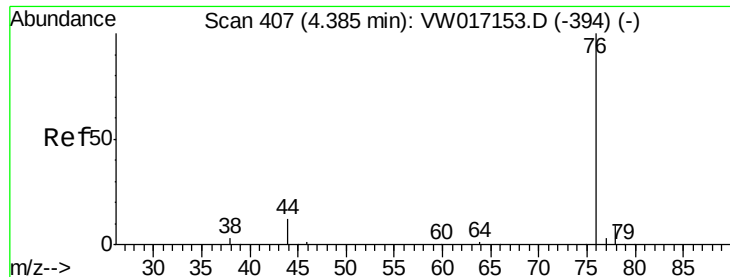
Tgt Ion: 43 Resp: 5064

Ion Ratio Lower Upper

43 100

58 21.1 0.0 69.2





#14

Carbon disulfide

Concen: 0.630 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017169.D

Acq: 11 Nov 2020 17:22

Instrument :

MSVOA_W

ClientSampled :

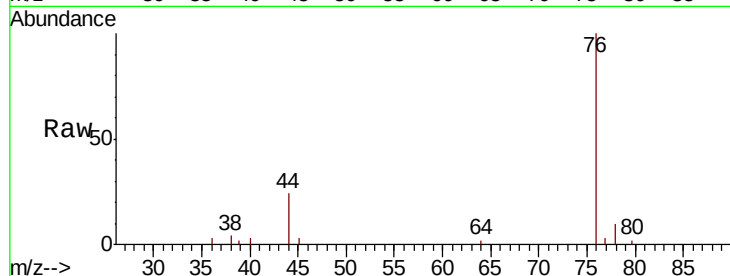
BG4E7

Tot Ion: 76 Resp: 9894

Ion Ratio Lower Upper

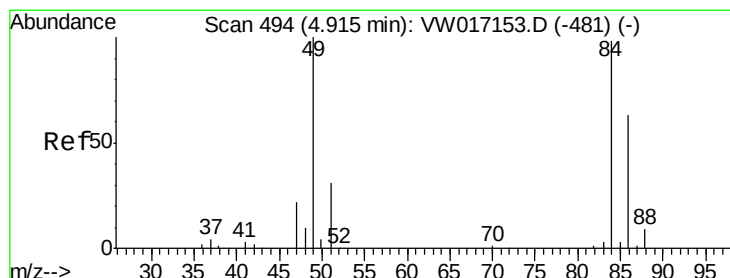
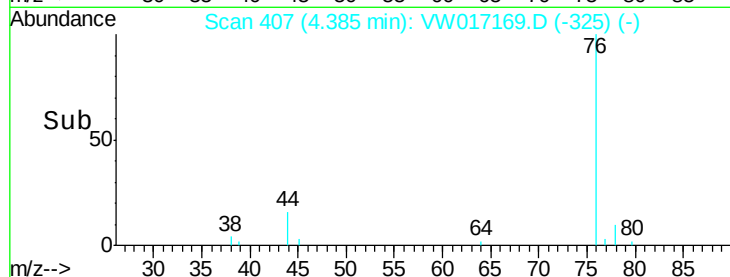
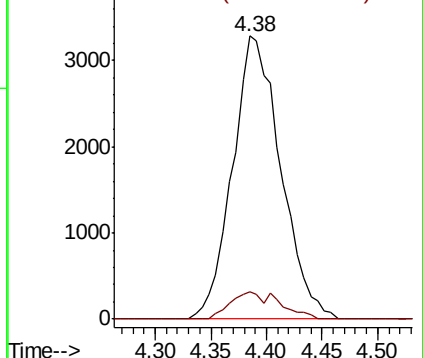
76 100

78 9.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 0.852 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017169.D

Acq: 11 Nov 2020 17:22

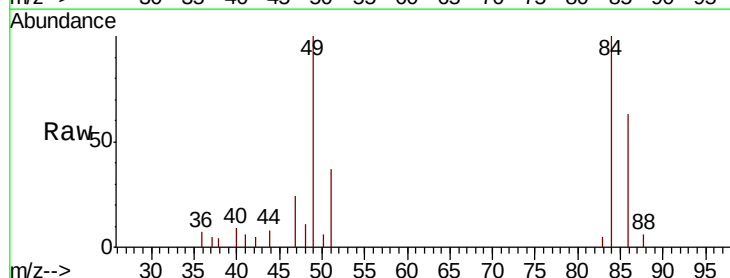
Tgt Ion: 84 Resp: 5340

Ion Ratio Lower Upper

84 100

49 100.4 72.3 134.3

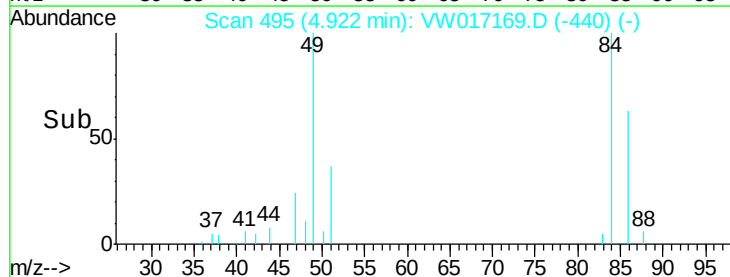
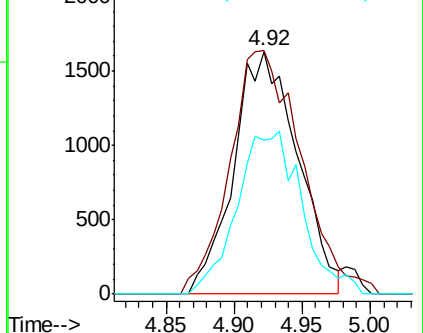
86 63.6 45.1 83.7

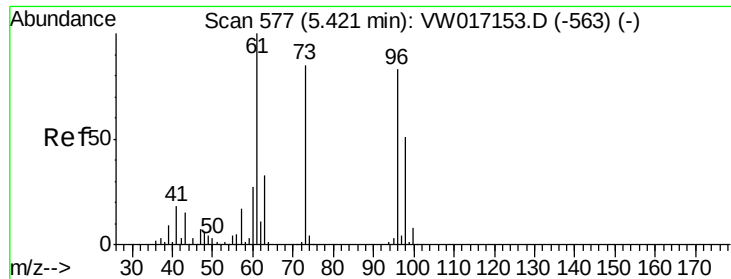


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

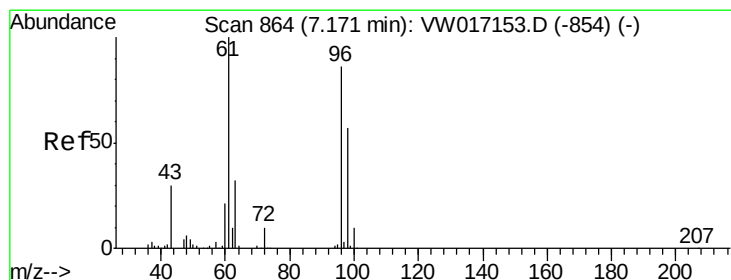
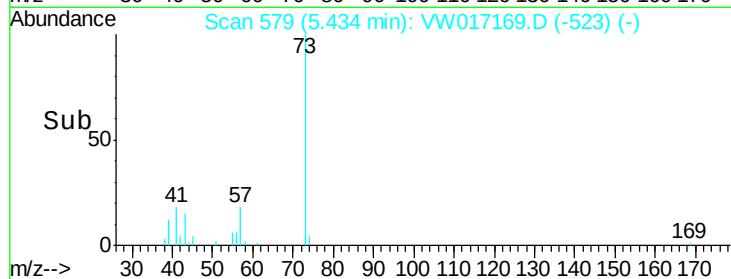
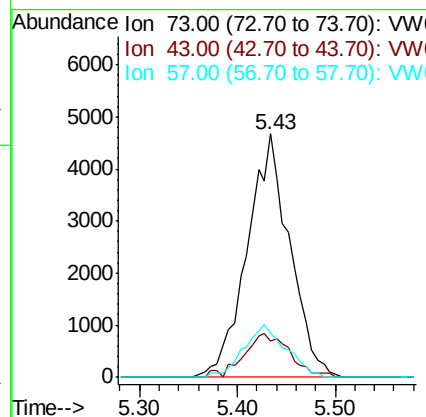
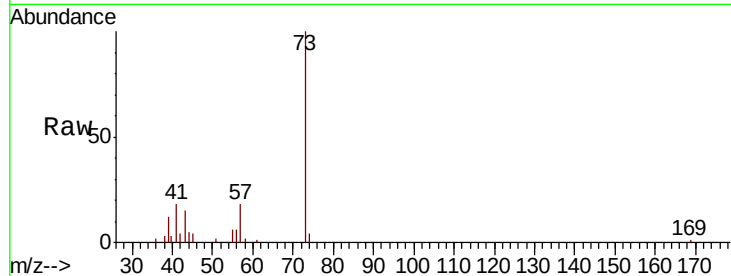




#17
Methyl tert-butyl Ether
Concen: 2.002 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017169.D
Acq: 11 Nov 2020 17:22

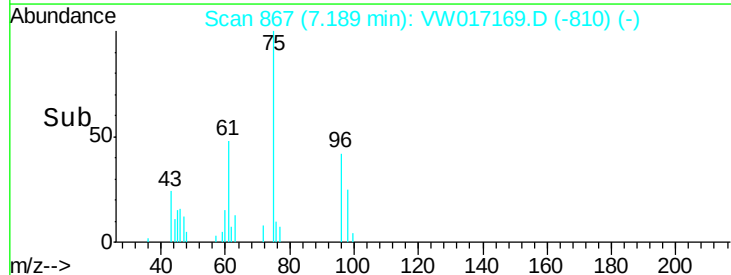
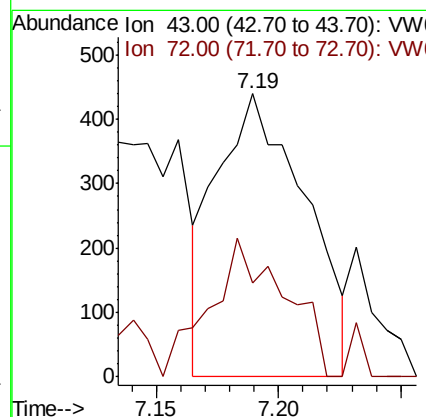
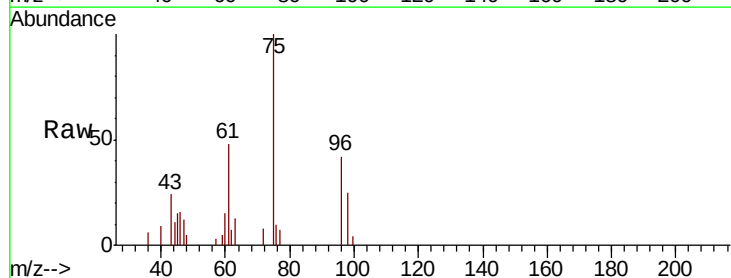
Instrument :
MSVOA_W
ClientSampled :
BG4E7

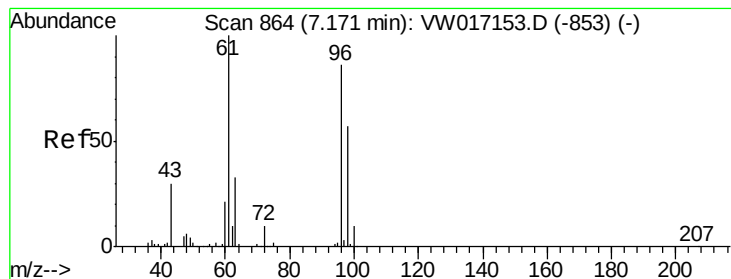
Tot Ion	73	Resp	14111
Ion Ratio	Lower	Upper	
73	100		
43	18.4	14.5	21.7
57	21.2	16.3	24.5



#21
2-Butanone
Concen: 0.788 ug/L
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW017169.D
Acq: 11 Nov 2020 17:22

Tgt Ion	43	Resp	1109
Ion Ratio	Lower	Upper	
43	100		
72	37.6	16.1	48.3





#22

cis-1,2-Dichloroethene

Concen: 0.443 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017169.D

Acq: 11 Nov 2020 17:22

Instrument :

MSVOA_W

ClientSampled :

BG4E7

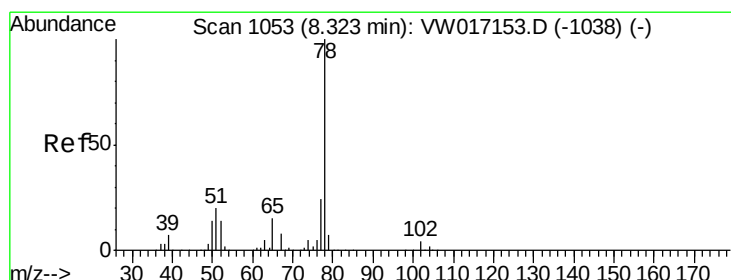
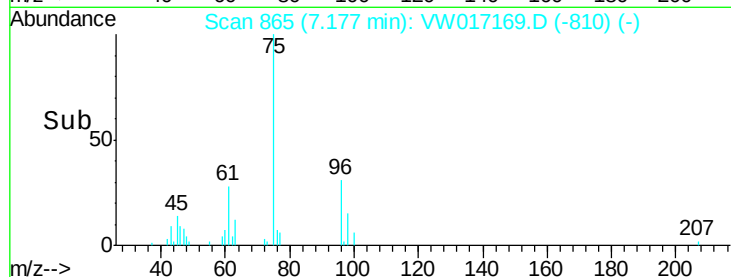
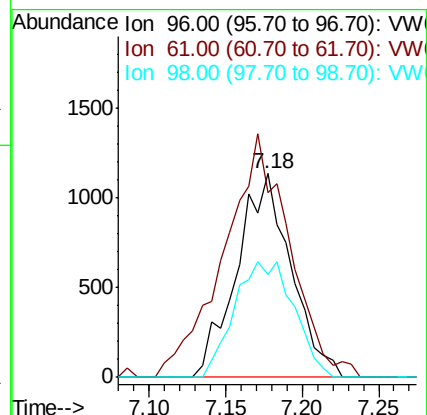
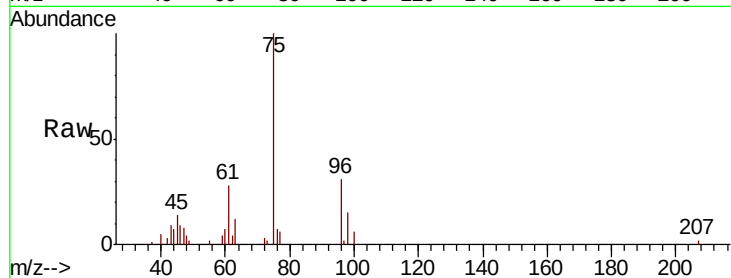
Tot Ion: 96 Resp: 2798

Ion Ratio Lower Upper

96 100

61 90.6 77.4 143.8

98 50.3 45.1 83.7



#34

Benzene

Concen: 0.735 ug/L

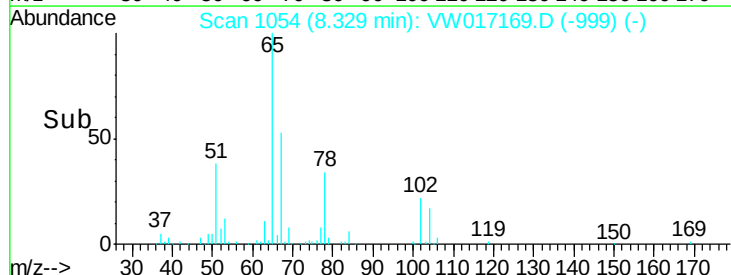
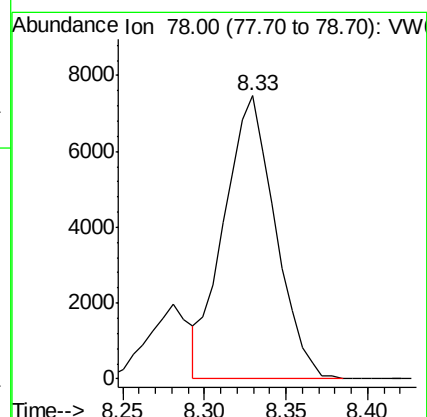
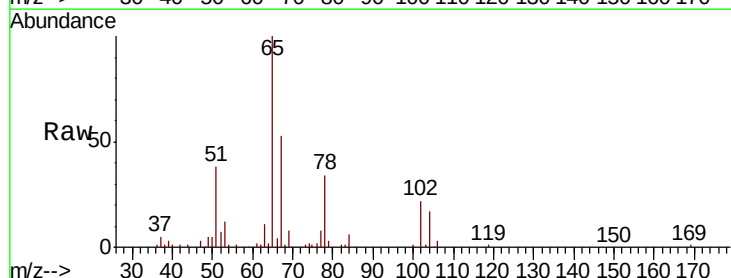
RT: 8.33 min Scan# 1054

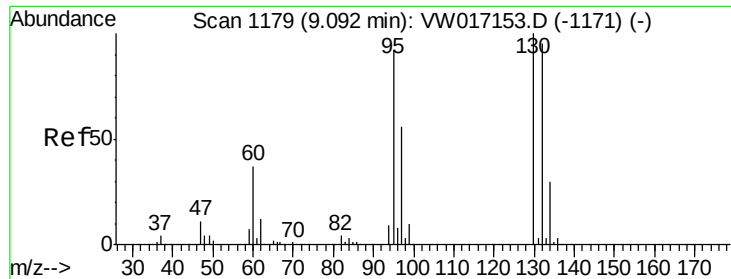
Delta R.T. 0.01 min

Lab File: VW017169.D

Acq: 11 Nov 2020 17:22

Tgt Ion: 78 Resp: 16335





#35

Trichloroethene

Concen: 15.875 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017169.D

Acq: 11 Nov 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

BG4E7

Tot Ion: 95 Resp: 98872

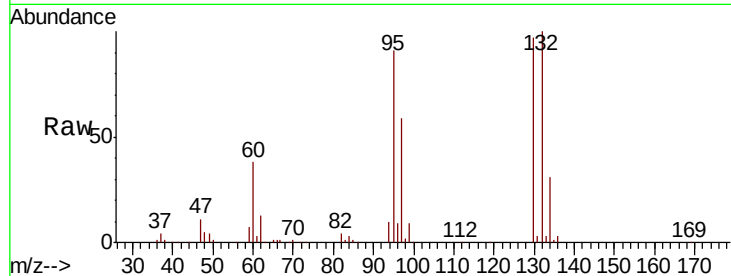
Ion Ratio Lower Upper

95 100

97 64.7 45.0 83.6

132 106.0 73.7 136.9

130 106.4 77.1 143.1



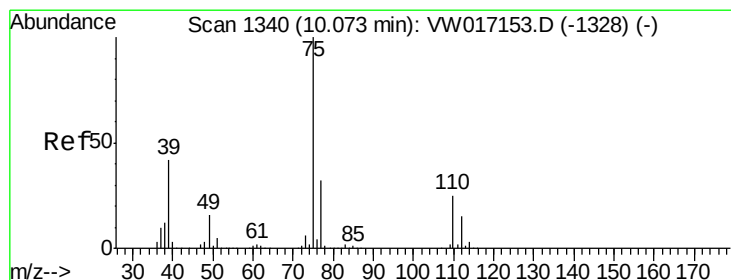
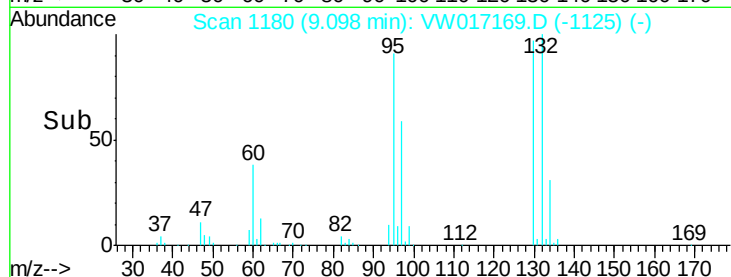
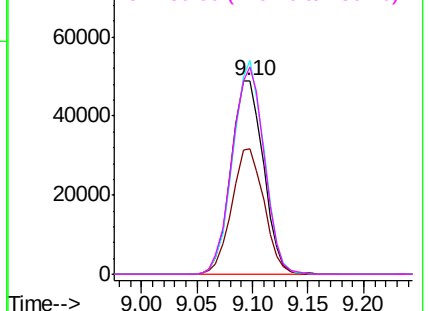
Abundance

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



#42

cis-1,3-Dichloropropene

Concen: 0.493 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017169.D

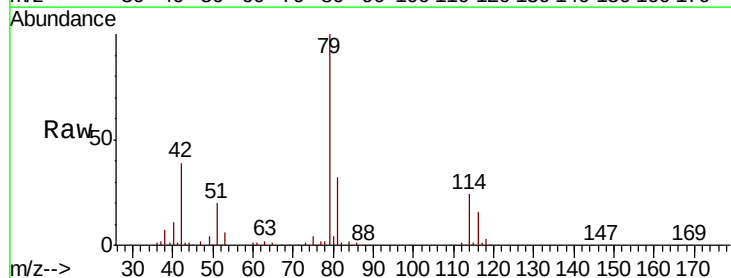
Acq: 11 Nov 2020 17:22

Tgt Ion: 75 Resp: 4059

Ion Ratio Lower Upper

75 100

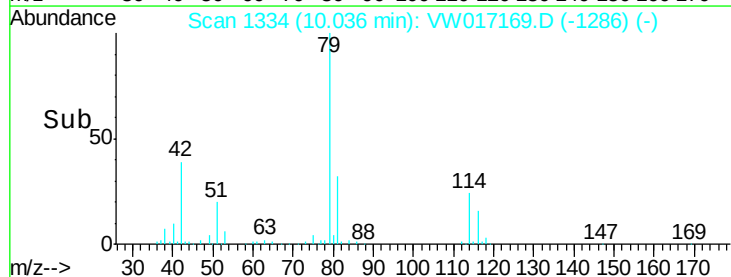
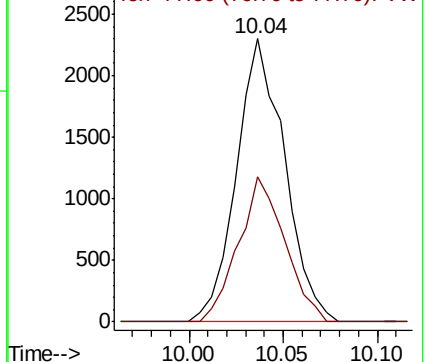
77 51.3 22.0 41.0#

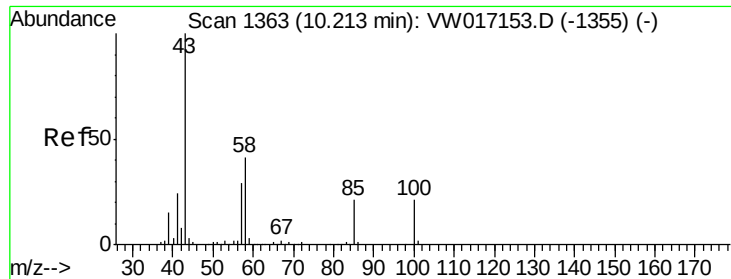


Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#43

4-Methyl-2-pentanone

Concen: 1.001 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW017169.D

Acq: 11 Nov 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

BG4E7

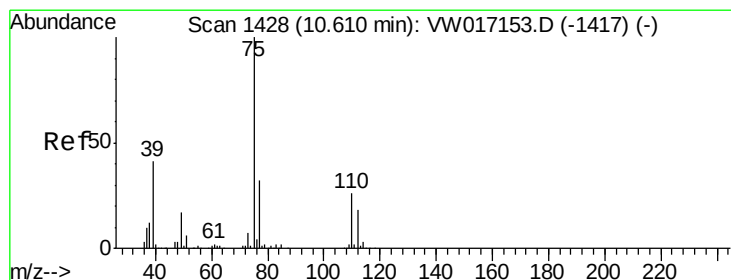
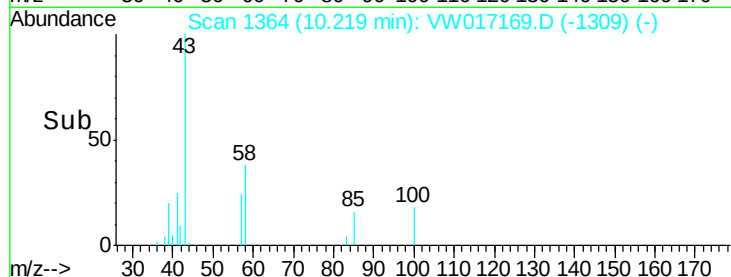
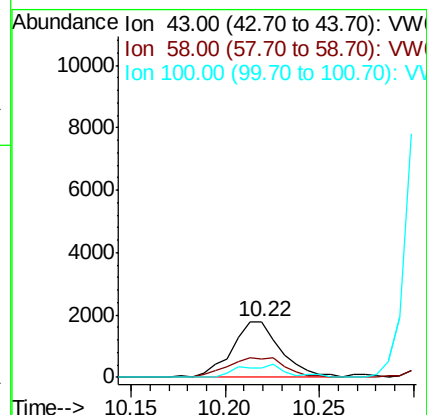
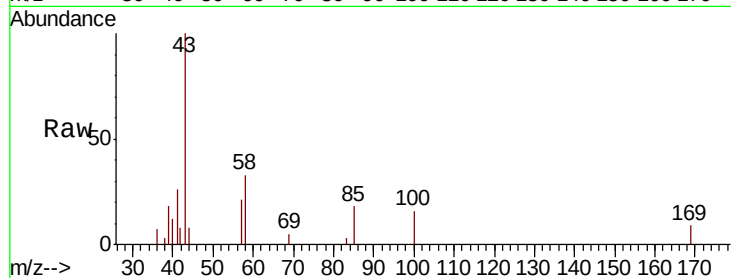
Tot Ion: 43 Resp: 3211

Ion Ratio Lower Upper

43 100

58 41.5 35.0 52.6

100 7.2 16.6 24.8#



#45

trans-1,3-Dichloropropene

Concen: 0.372 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017169.D

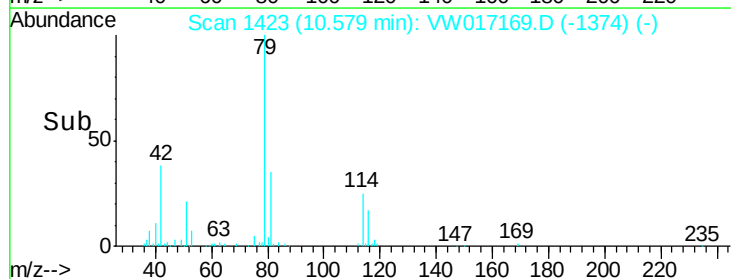
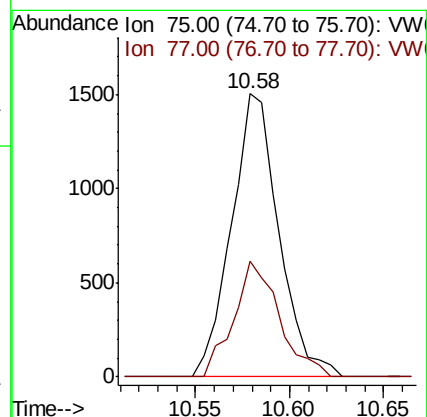
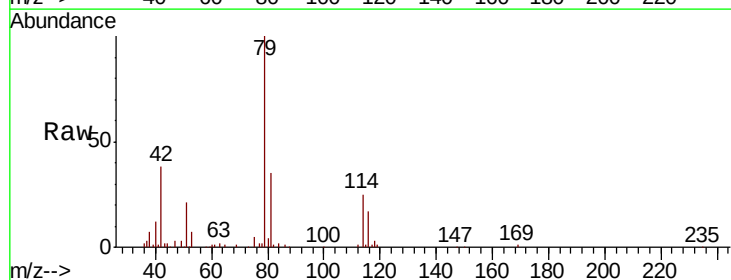
Acq: 11 Nov 2020 17:22

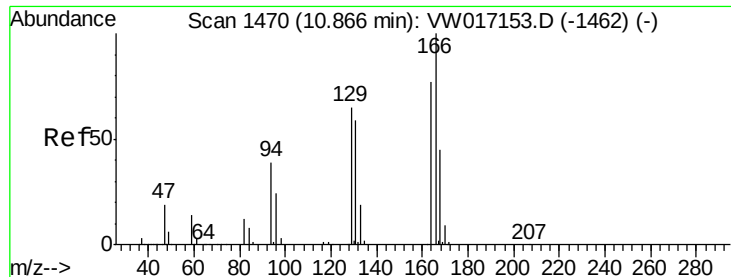
Tgt Ion: 75 Resp: 2627

Ion Ratio Lower Upper

75 100

77 40.9 22.1 41.1

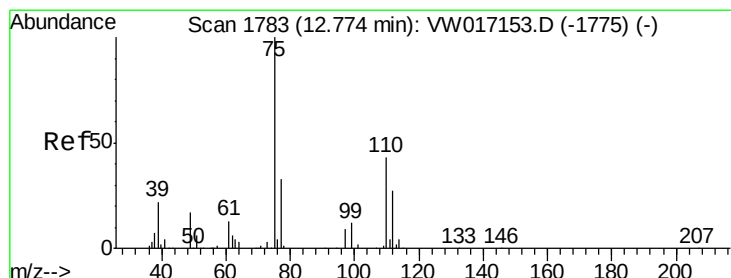
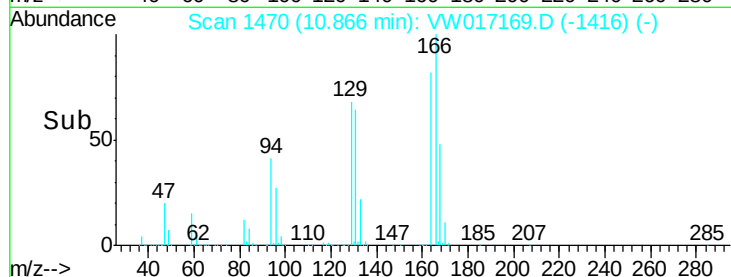
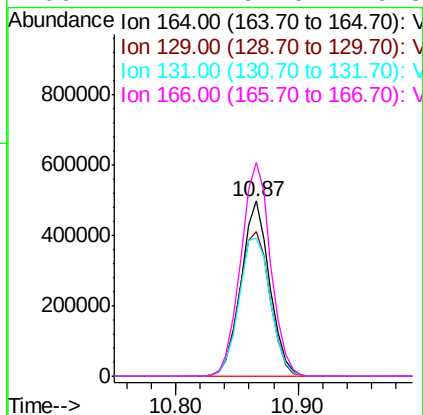
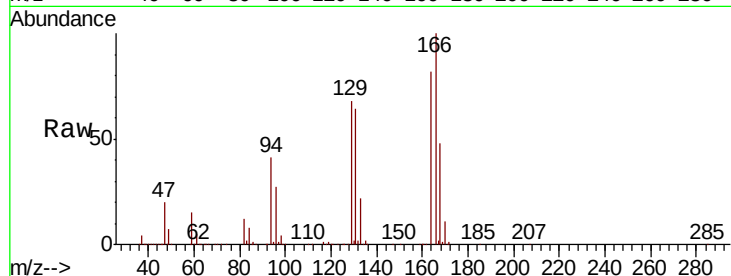




#47
Tetrachloroethene
Concen: 143.451 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017169.D
Acq: 11 Nov 2020 17:22

Instrument :
MSVOA_W
ClientSampled :
BG4E7

Tot Ion:164 Resp: 806063
Ion Ratio Lower Upper
164 100
129 82.6 62.9 116.7
131 78.7 63.3 117.5
166 122.2 92.0 170.8



#59
1,2,3-Trichloropropane
Concen: 5.392 ug/L
RT: 13.56 min Scan# 1912
Delta R.T. 0.79 min
Lab File: VW017169.D
Acq: 11 Nov 2020 17:22

Tgt Ion: 75 Resp: 20062
Ion Ratio Lower Upper
75 100
77 39.0 26.4 39.6

