

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110620\
 Data File : VW017104.D
 Acq On : 06 Nov 2020 16:37
 Operator : SY/VA
 Sample : L4659-05
 Misc : 5.91G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 07 04:34:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 07 04:26:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	519390	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	392935	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	135660	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	159810	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.72%
7) Chloroethane-d5	2.89	69	126307	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.20%
10) 1,1-Dichloroethene-d2	4.02	63	235329	20.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.44%
20) 2-Butanone-d5	7.09	46	50599	34.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.18%
24) Chloroform-d	7.65	84	288025	23.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	8.31	65	138368	22.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.80%
29) Benzene-d6	8.28	84	591834	29.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.32%
33) 1,2-Dichloropropane-d6	9.28	67	153377	27.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.84%
37) Toluene-d8	10.33	98	526100	27.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.52%
38) trans-1,3-Dichloropropene-	10.59	79	59432	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.28%
39) 2-Hexanone-d5	10.93	63	32725	33.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98860	20.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	127663	26.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.84%

Target Compounds

					Ovalue
5) Vinyl chloride	2.37	62	5794	0.835 ug/L #	20
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	2330	0.348 ug/L #	17
12) 1,1-Dichloroethene	4.04	96	50829	7.885 ug/L #	30
13) Acetone	4.14	43	9279	9.473 ug/L	96
14) Carbon disulfide	4.39	76	14684	0.837 ug/L #	95
16) Methylene chloride	4.92	84	26634	3.804 ug/L	96
21) 2-Butanone	7.17	43	1355	0.861 ug/L	88
22) cis-1,2-Dichloroethene	7.18	96	37222	5.276 ug/L	99
34) Benzene	8.33	78	582708	28.242 ug/L	100
35) Trichloroethene	9.10	95	3685675	637.685 ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	4515	0.591 ug/L #	73
44) Toluene	10.40	91	13087	0.576 ug/L	99
45) trans-1,3-Dichloropropene	10.59	75	2545	0.388 ug/L #	55
47) Tetrachloroethene	10.86	164	5820929	1116.253 ug/L	93
54) m,p-Xylene	11.84	106	2745	0.277 ug/L	91

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Quant Title : VOC Analysis
QLast Update : Sat Nov 07 04:26:24 2020
Response via : Initial Calibration

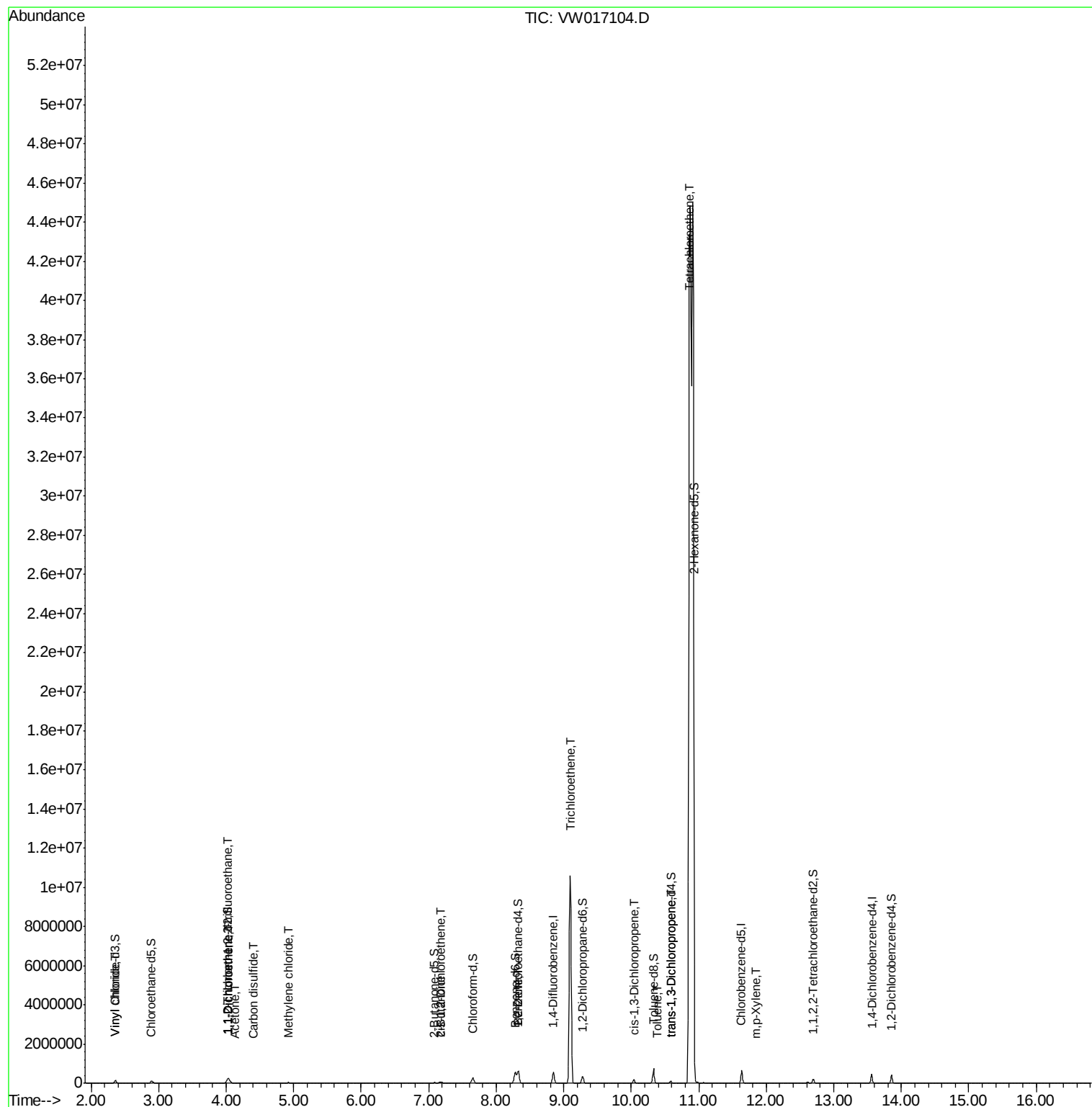
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

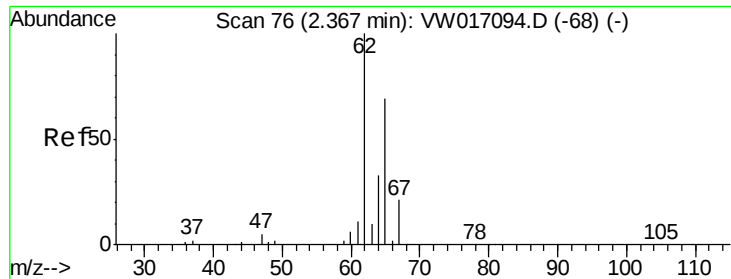
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110620\
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#5

Vinyl chloride

Concen: 0.835 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017104.D

Acq: 06 Nov 2020 16:37

Instrument :

MSVOA_W

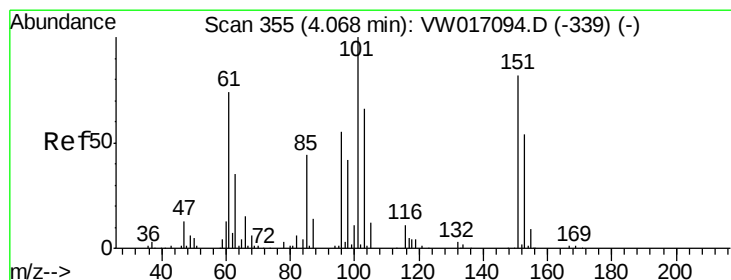
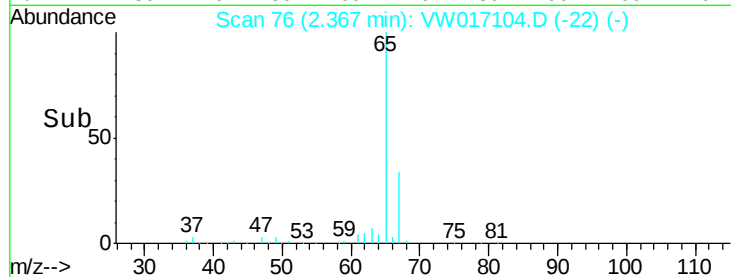
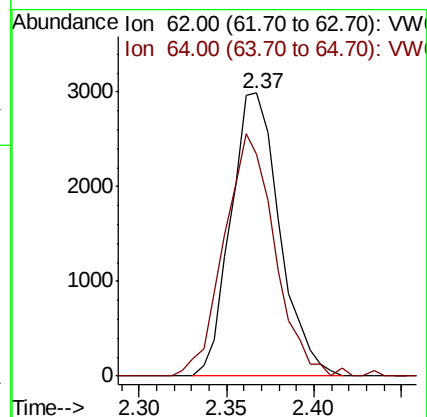
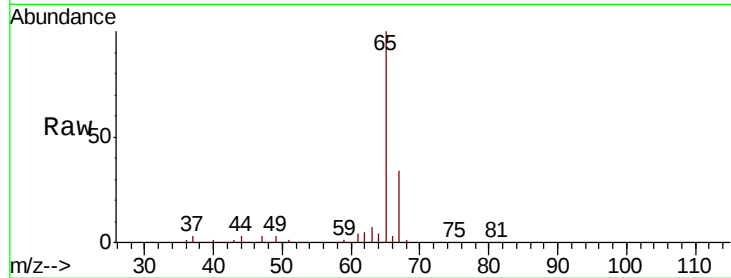
ClientSampleId :

Tot Ion: 62 Resp: 5794

Ion Ratio Lower Upper

62 100

64 78.4 23.3 43.3#



#11

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

Concen: 0.348 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.04 min

Lab File: VW017104.D

Acq: 06 Nov 2020 16:37

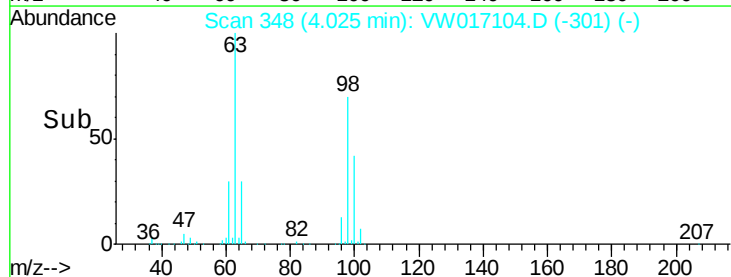
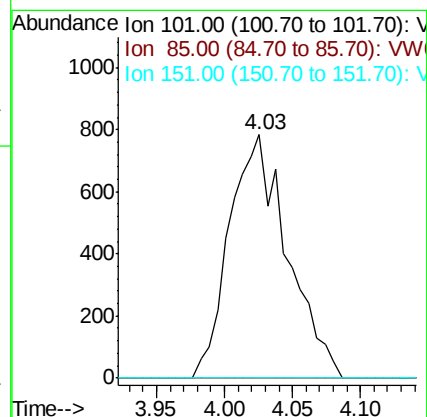
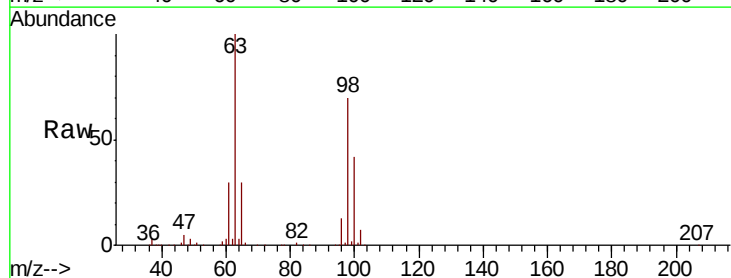
Tgt Ion: 101 Resp: 2330

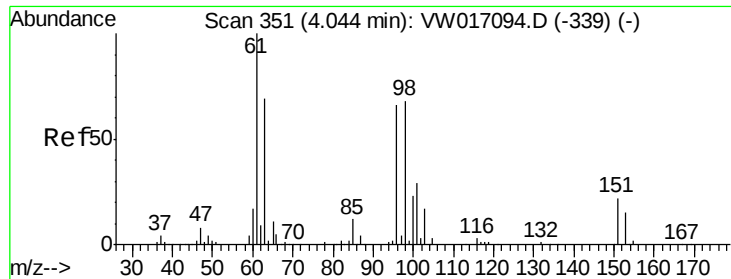
Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.4 98.2#





#12

1,1-Dichloroethene

Concen: 7.885 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017104.D

Acq: 06 Nov 2020 16:37

Instrument :

MSVOA_W

ClientSampled :

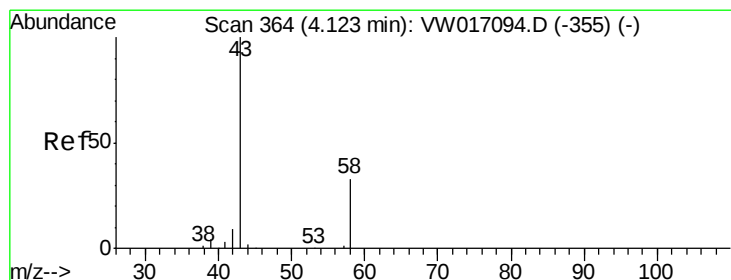
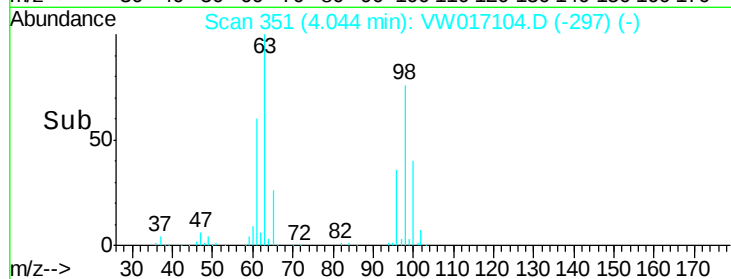
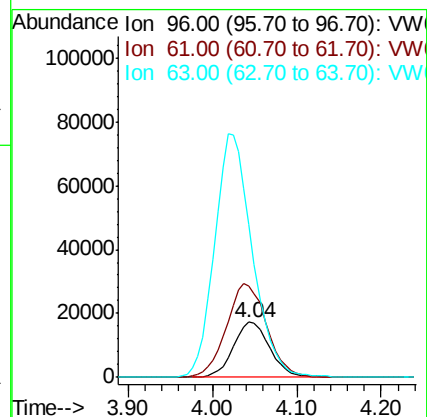
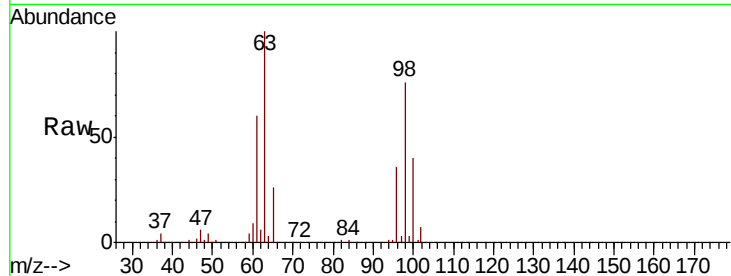
Tot Ion: 96 Resp: 50829

Ion Ratio Lower Upper

96 100

61 164.6 103.8 192.8

63 275.9 84.4 156.7#



#13

Acetone

Concen: 9.473 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017104.D

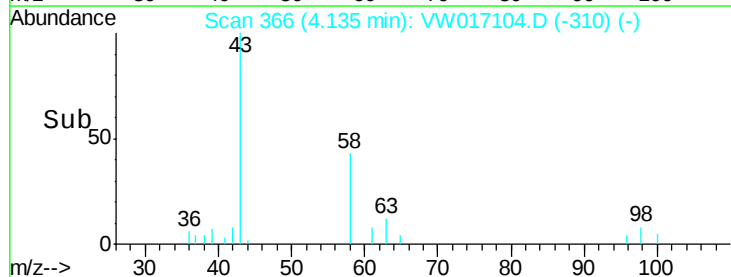
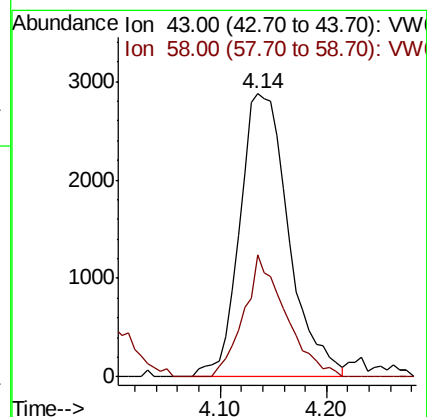
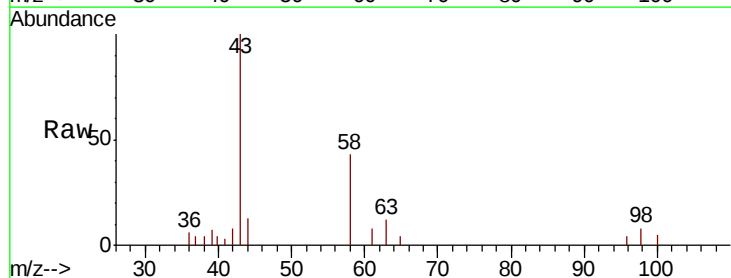
Acq: 06 Nov 2020 16:37

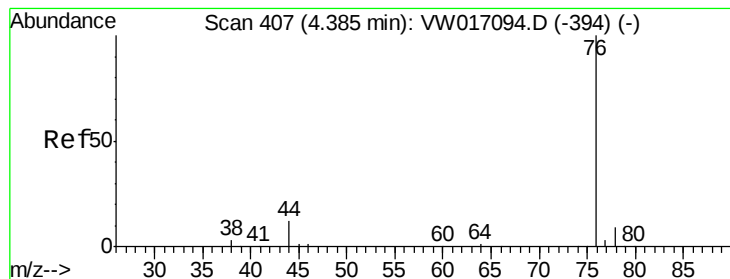
Tgt Ion: 43 Resp: 9279

Ion Ratio Lower Upper

43 100

58 36.8 0.0 69.2





#14

Carbon disulfide

Concen: 0.837 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017104.D

Acq: 06 Nov 2020 16:37

Instrument :

MSVOA_W

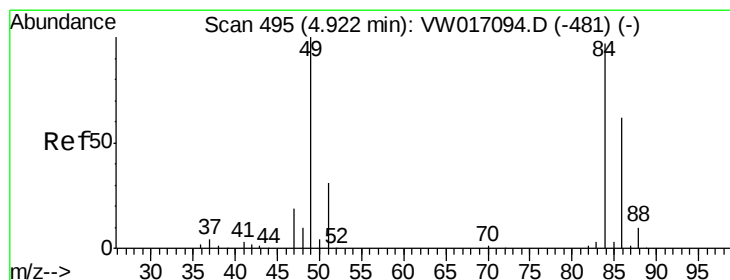
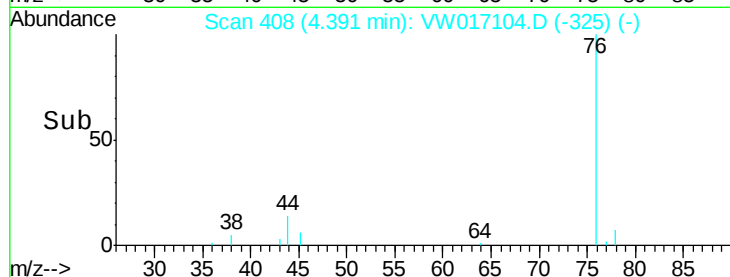
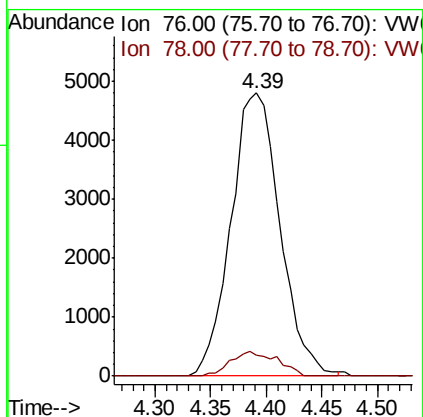
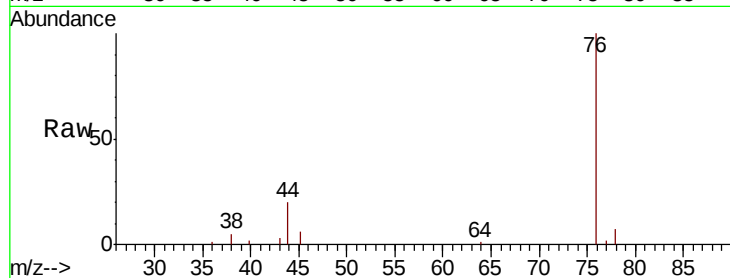
ClientSampled :

Tot Ion: 76 Resp: 14684

Ion Ratio Lower Upper

76 100

78 7.5 7.6 11.4#



#16

Methylene chloride

Concen: 3.804 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017104.D

Acq: 06 Nov 2020 16:37

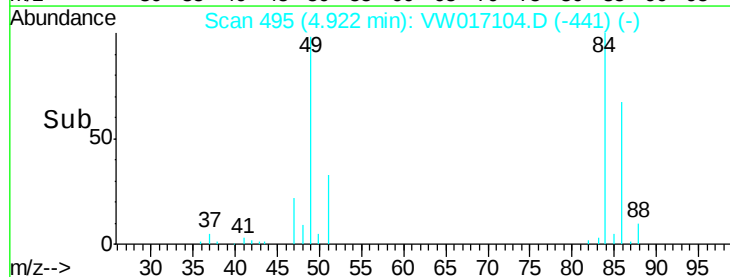
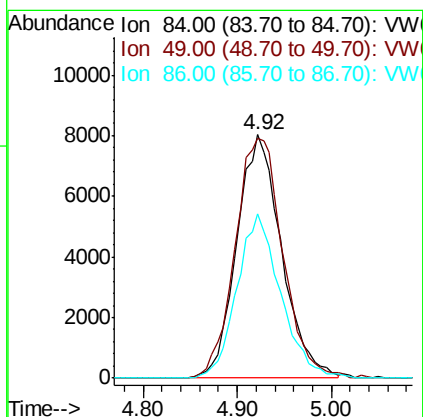
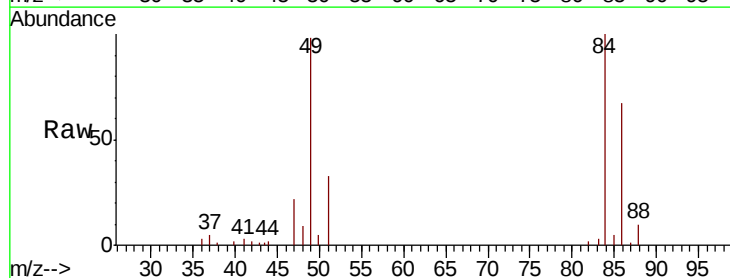
Tgt Ion: 84 Resp: 26634

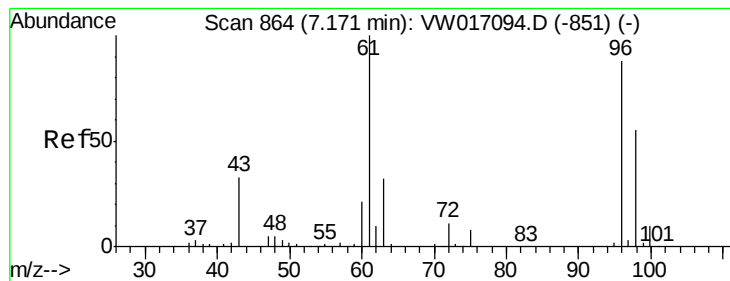
Ion Ratio Lower Upper

84 100

49 98.4 72.3 134.3

86 67.5 45.1 83.7





#21

2-Butanone

Concen: 0.861 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW017104.D

Acq: 06 Nov 2020 16:37

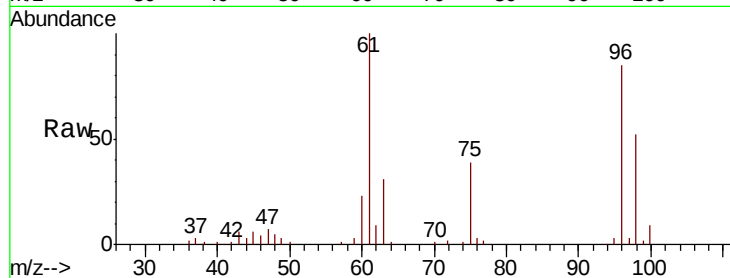
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1355

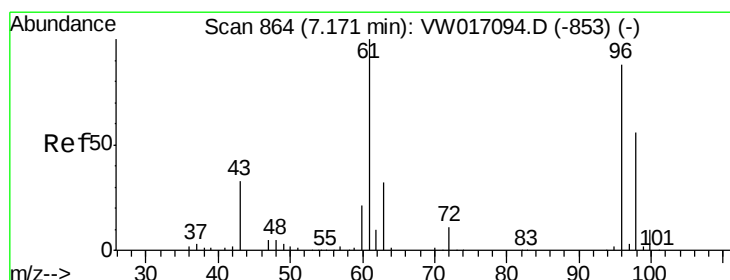
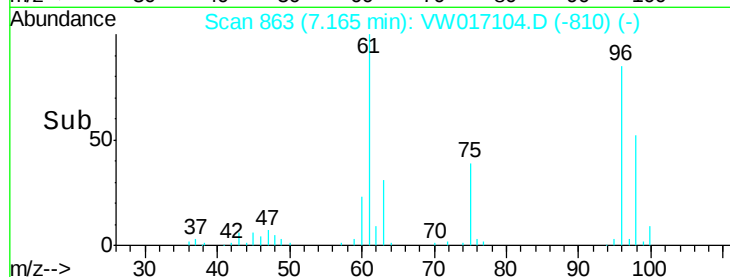
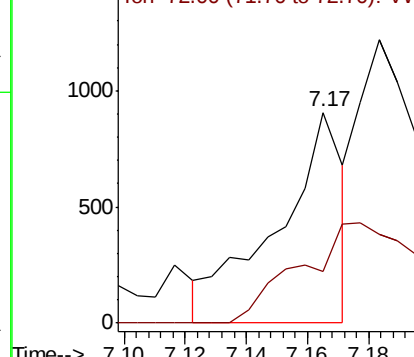
Ion Ratio Lower Upper

43 100

72 25.4 16.1 48.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#22

cis-1,2-Dichloroethene

Concen: 5.276 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017104.D

Acq: 06 Nov 2020 16:37

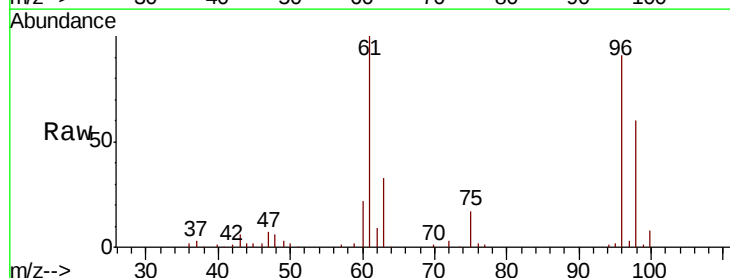
Tgt Ion: 96 Resp: 37222

Ion Ratio Lower Upper

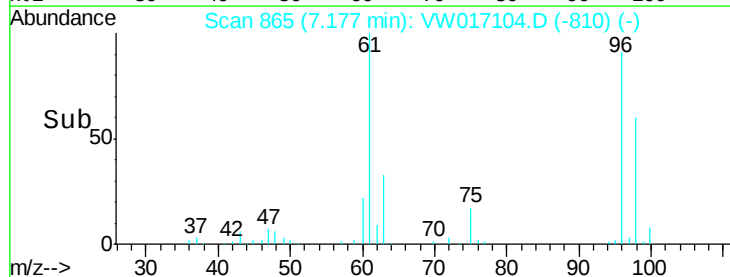
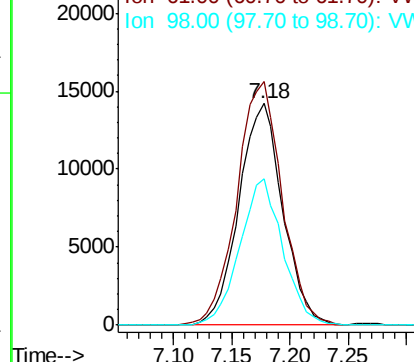
96 100

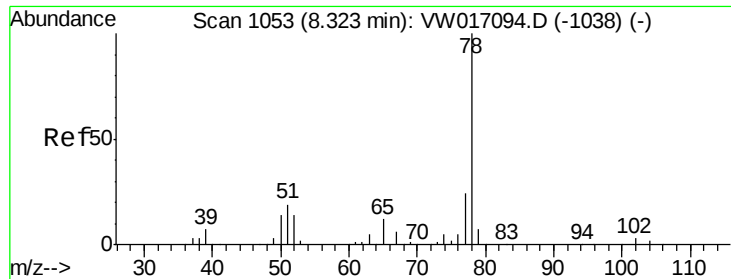
61 109.9 77.4 143.8

98 66.2 45.1 83.7



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: 28.242 ug/L

RT: 8.33 min Scan# 1054

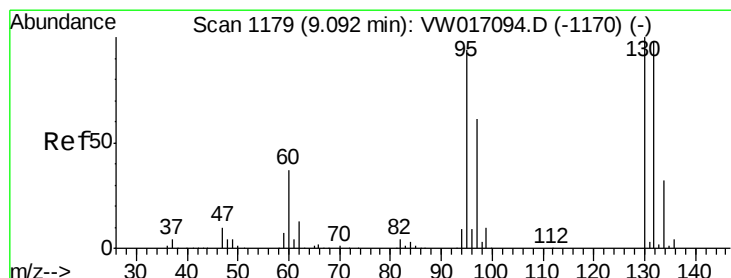
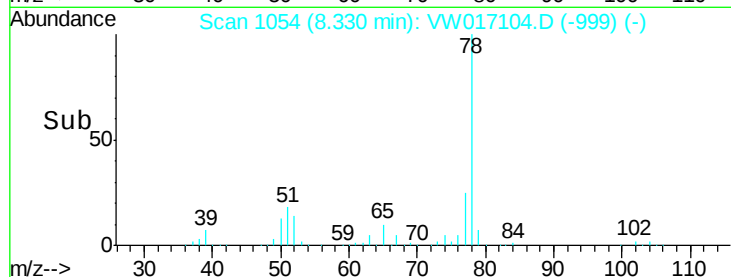
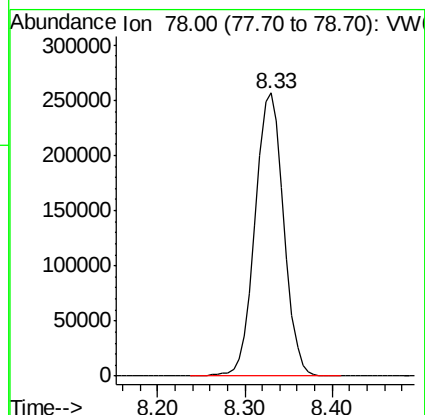
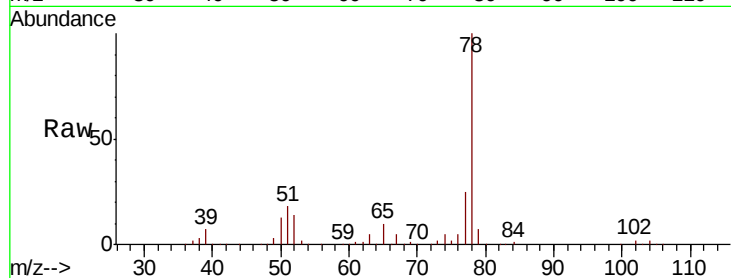
Delta R.T. 0.01 min

Lab File: VW017104.D

Acq: 06 Nov 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 78 Resp: 582708



#35

Trichloroethene

Concen: 637.685 ug/L

RT: 9.10 min Scan# 1180

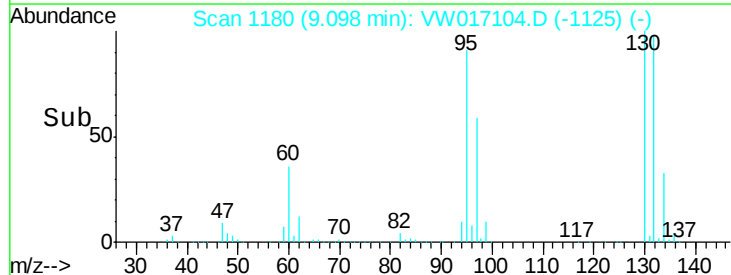
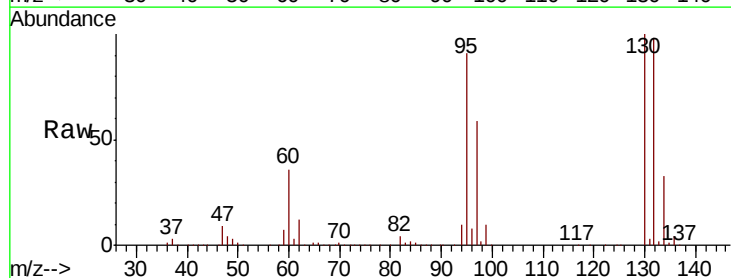
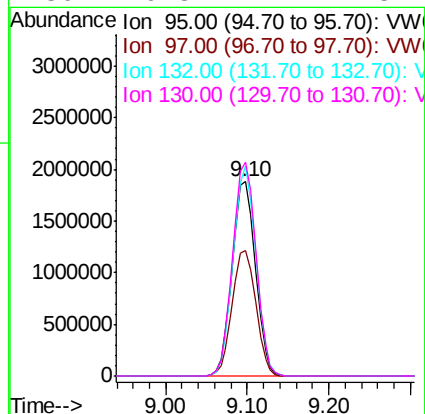
Delta R.T. 0.01 min

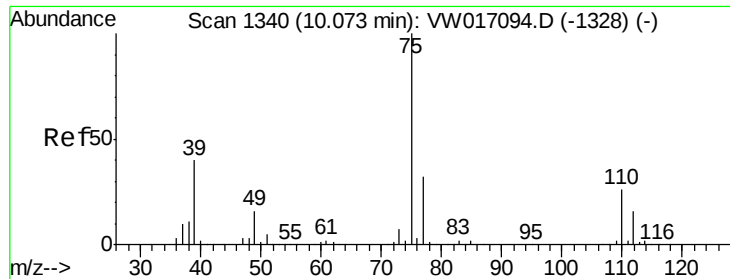
Lab File: VW017104.D

Acq: 06 Nov 2020 16:37

Tgt Ion: 95 Resp: 3685675

Ion	Ratio	Lower	Upper
95	100		
97	65.9	45.0	83.6
132	105.8	73.7	136.9
130	110.8	77.1	143.1

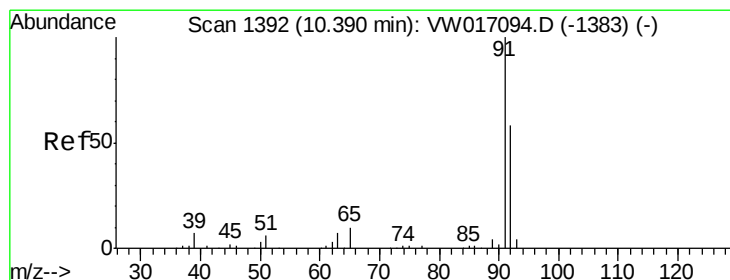
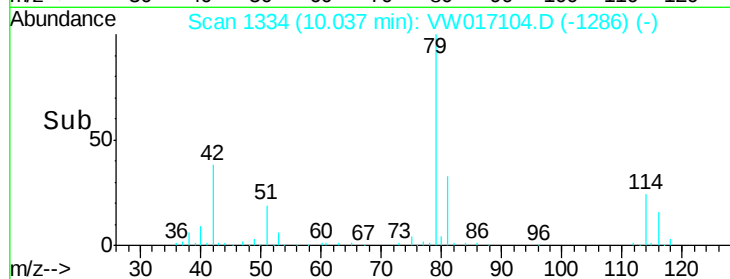
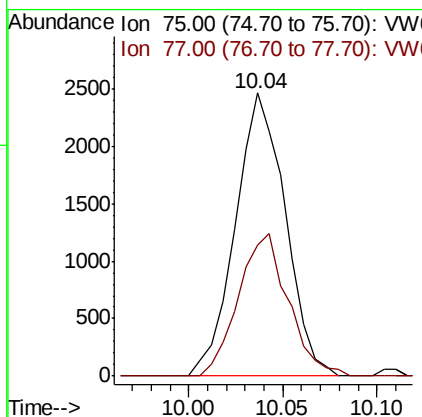
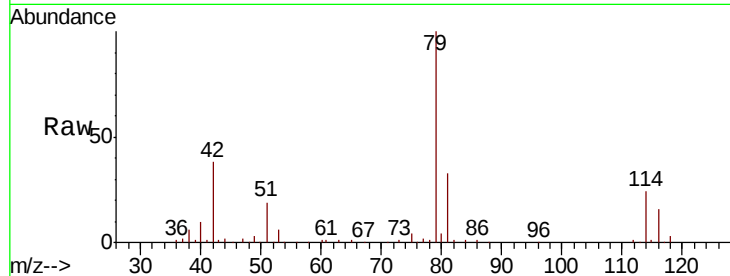




#42
 cis-1,3-Dichloropropene
 Concen: 0.591 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017104.D
 Acq: 06 Nov 2020 16:37

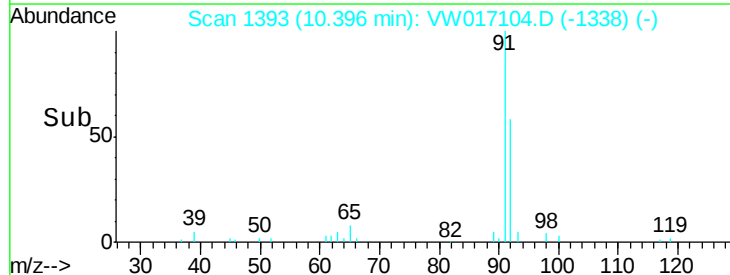
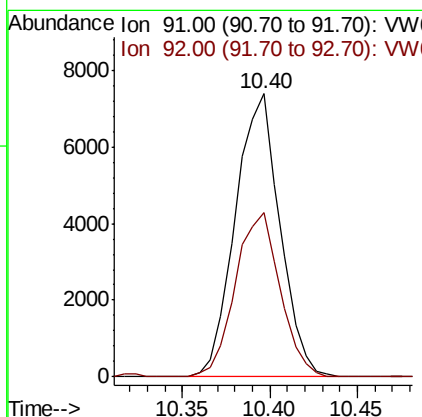
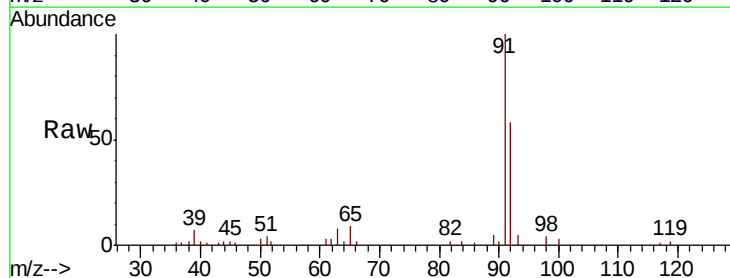
Instrument :
 MSVOA_W
 ClientSampled :

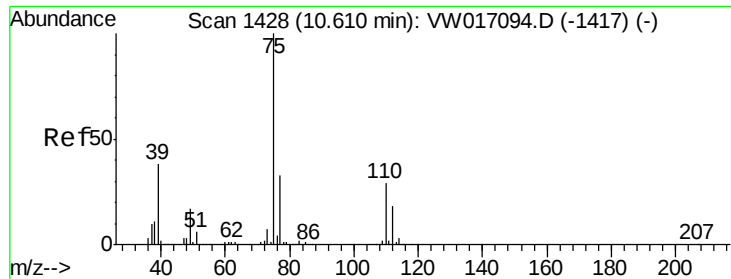
Tot Ion: 75 Resp: 4515
 Ion Ratio Lower Upper
 75 100
 77 46.3 22.0 41.0#



#44
 Toluene
 Concen: 0.576 ug/L
 RT: 10.40 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VW017104.D
 Acq: 06 Nov 2020 16:37

Tgt Ion: 91 Resp: 13087
 Ion Ratio Lower Upper
 91 100
 92 58.0 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.388 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017104.D

Acq: 06 Nov 2020 16:37

Instrument :

MSVOA_W

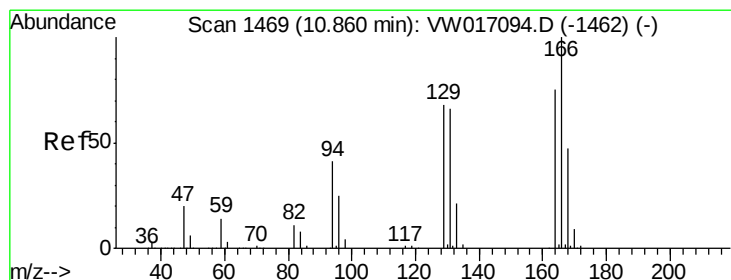
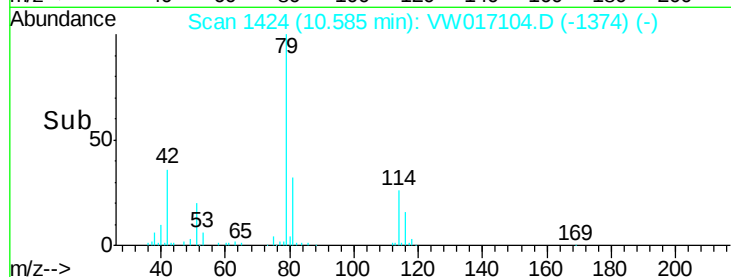
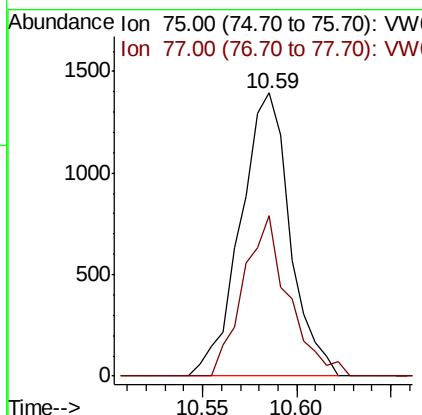
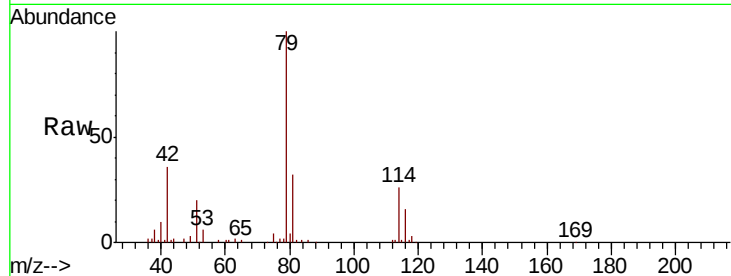
ClientSampleId :

Tot Ion: 75 Resp: 2545

Ion Ratio Lower Upper

75 100

77 56.5 22.1 41.1#



#47

Tetrachloroethene

Concen: 1116.253 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017104.D

Acq: 06 Nov 2020 16:37

Tgt Ion: 164 Resp: 5820929

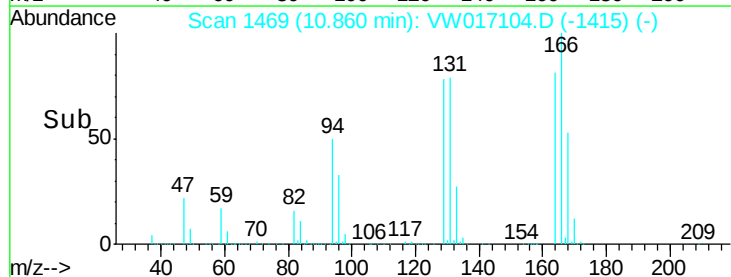
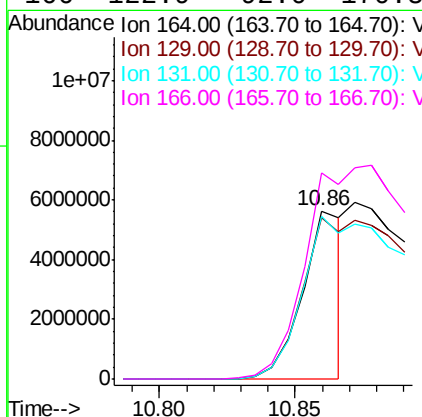
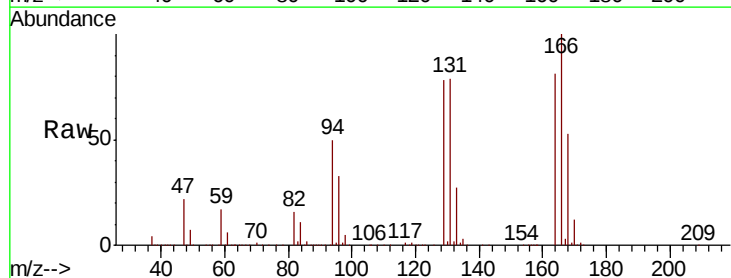
Ion Ratio Lower Upper

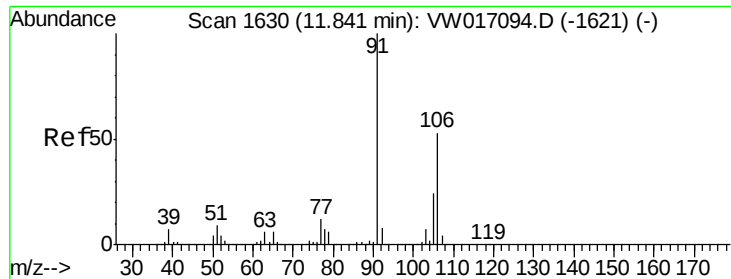
164 100

129 96.0 62.9 116.7

131 96.8 63.3 117.5

166 122.9 92.0 170.8





#54
 m,p-Xylene
 Concen: 0.277 ug/L
 RT: 11.84 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VW017104.D
 Acq: 06 Nov 2020 16:37

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:106 Resp: 2745
 Ion Ratio Lower Upper
 106 100
 91 184.1 138.7 257.5

