

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110620\
 Data File : VW017108.D
 Acq On : 06 Nov 2020 18:11
 Operator : SY/VA
 Sample : L4659-06
 Misc : 5.64G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 07 04:35:18 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	520224	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	431821	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162725	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	152955	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.36%
7) Chloroethane-d5	2.90	69	119152	23.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.40%
10) 1,1-Dichloroethene-d2	4.03	63	208722	17.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.24%
20) 2-Butanone-d5	7.09	46	45175	30.83	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.66%
24) Chloroform-d	7.65	84	273371	22.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.04%
26) 1,2-Dichloroethane-d4	8.31	65	129344	21.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.68%
29) Benzene-d6	8.28	84	557014	25.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.32%
33) 1,2-Dichloropropane-d6	9.28	67	149093	24.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.04%
37) Toluene-d8	10.33	98	519366	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.20%
38) trans-1,3-Dichloropropene-	10.59	79	57191	20.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.44%
39) 2-Hexanone-d5	10.93	63	33725	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	98927	18.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	141271	24.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.37	62	2161	0.311	ug/L #	1
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	2184	0.325	ug/L #	17
12) 1,1-Dichloroethene	4.04	96	15568	2.411	ug/L #	1
13) Acetone	4.14	43	10429	10.630	ug/L	93
14) Carbon disulfide	4.39	76	6060	0.345	ug/L	99
16) Methylene chloride	4.92	84	24159	3.445	ug/L	94
17) Methyl tert-butyl Ether	5.45	73	1617	0.205	ug/L #	68
22) cis-1,2-Dichloroethene	7.18	96	14886	2.106	ug/L	95
34) Benzene	8.33	78	401275	17.697	ug/L	100
35) Trichloroethene	9.10	95	1739911	273.926	ug/L	99
36) Methylcyclohexane	9.28	83	39274	3.843	ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	4391	0.523	ug/L	83
44) Toluene	10.39	91	8992	0.360	ug/L	93
45) trans-1,3-Dichloropropene	10.59	75	2430	0.337	ug/L #	74
47) Tetrachloroethene	10.87	164	12030865	2099.347	ug/L	92
49) 2-Hexanone	10.93	43	3637	1.845	ug/L #	40

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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

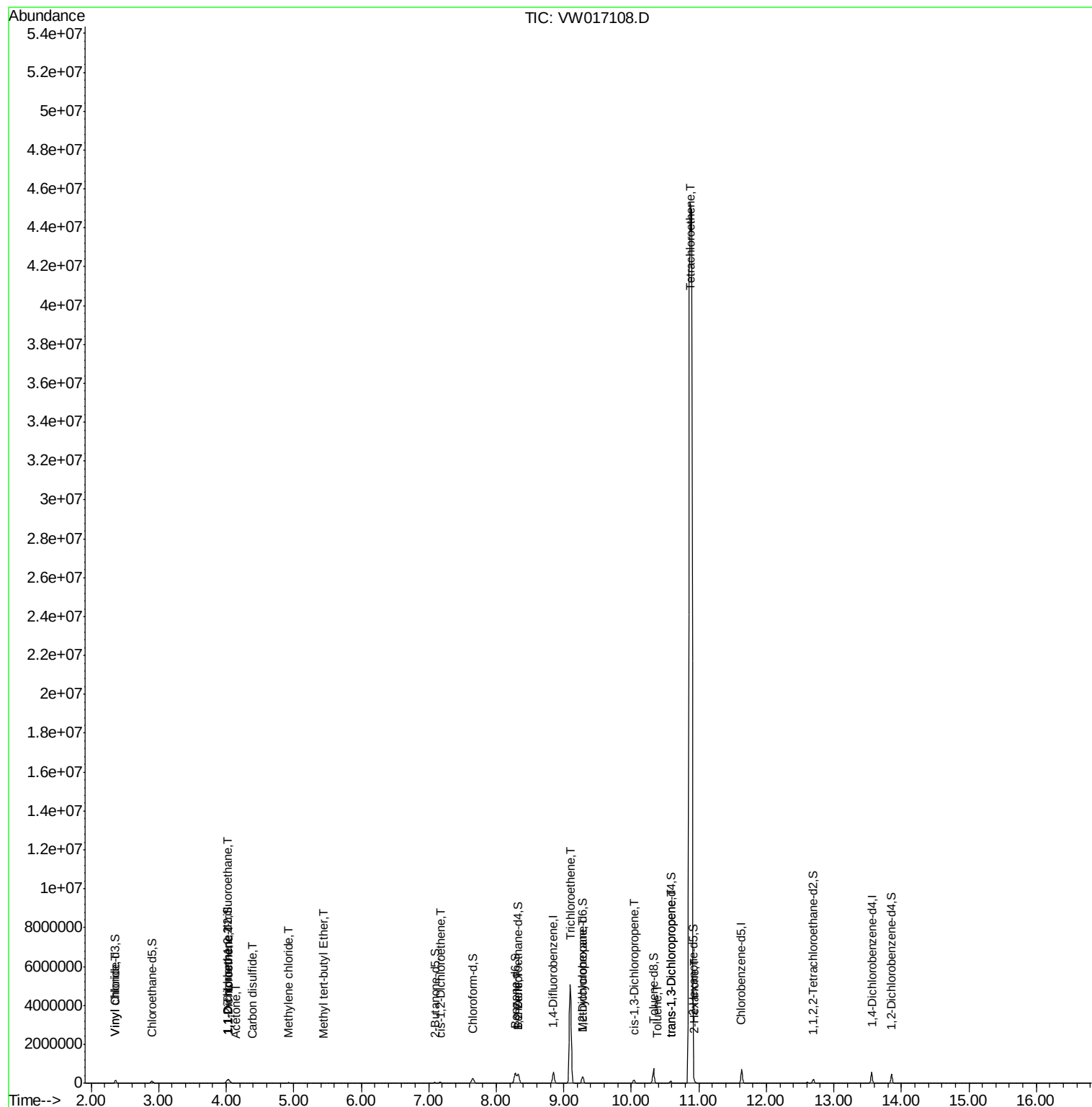
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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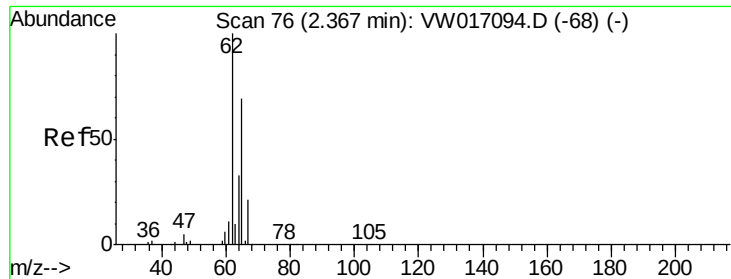
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110620\
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QLast Update : Sat Nov 07 04:26:24 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.311 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

Instrument :

MSVOA_W

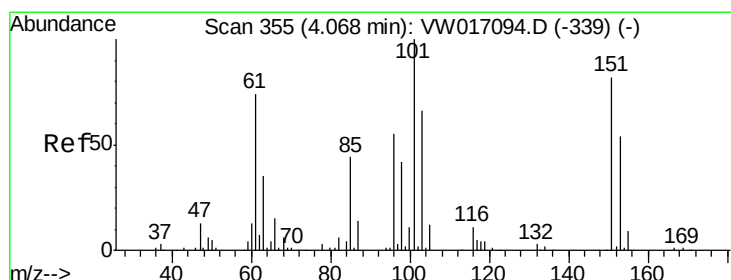
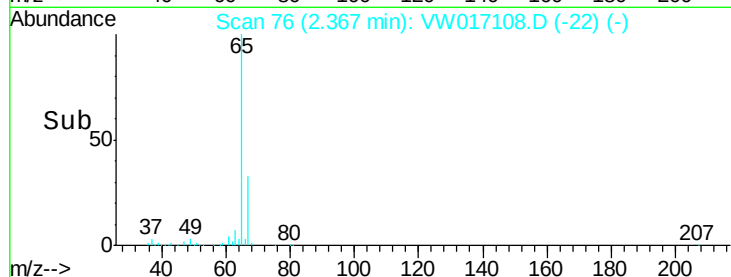
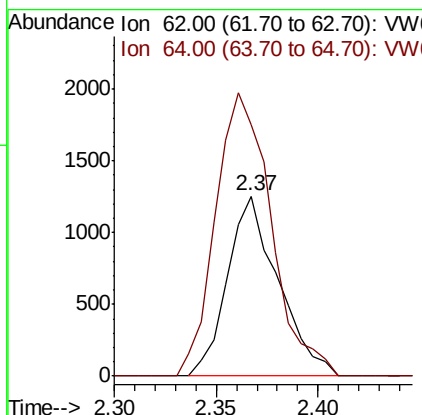
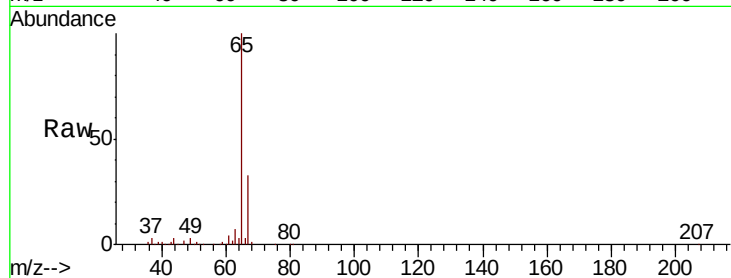
ClientSampleId :

Tot Ion: 62 Resp: 2161

Ion Ratio Lower Upper

62 100

64 139.5 23.3 43.3#



#11

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

Concen: 0.325 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.04 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

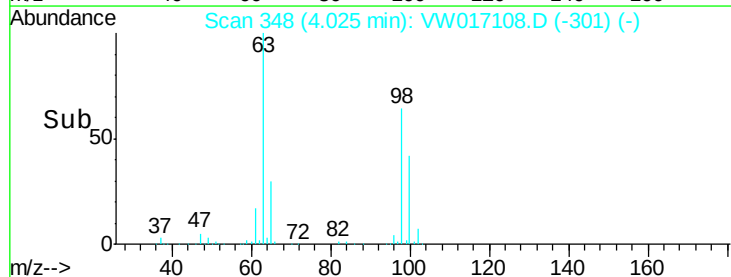
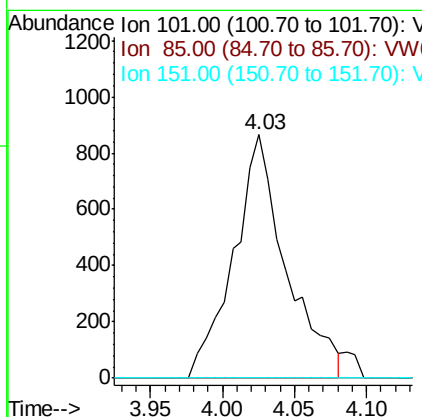
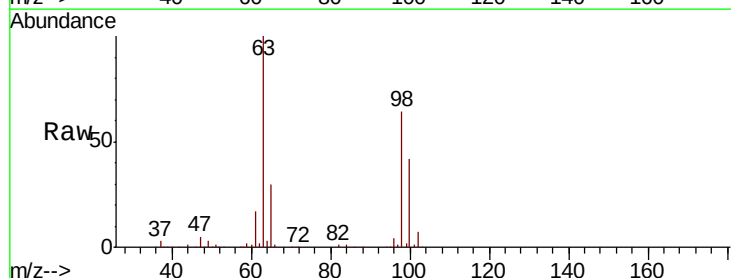
Tgt Ion: 101 Resp: 2184

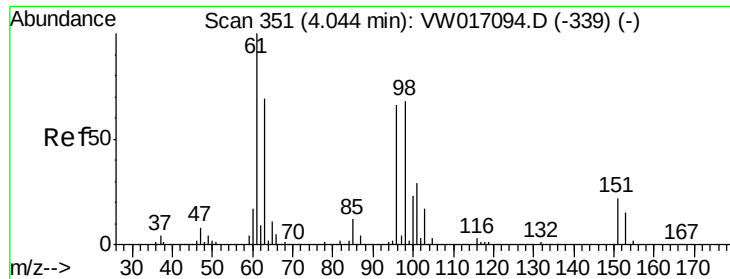
Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.4 98.2#





#12

1,1-Dichloroethene

Concen: 2.411 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

Instrument :

MSVOA_W

ClientSampled :

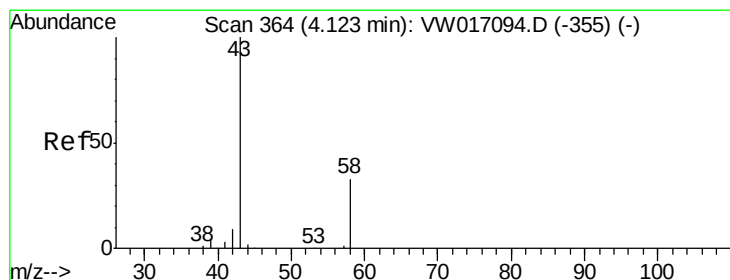
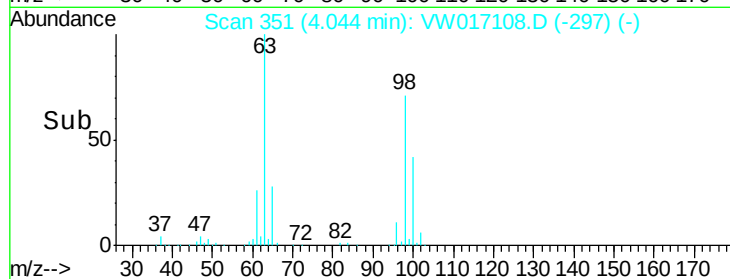
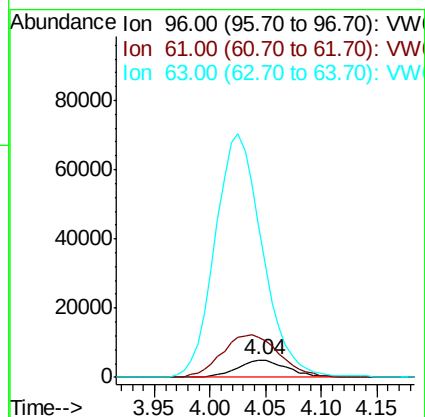
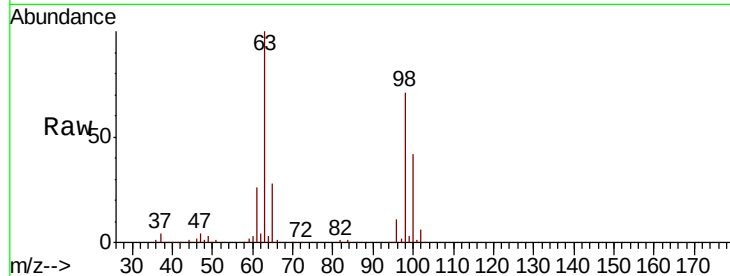
Tot Ion: 96 Resp: 15568

Ion Ratio Lower Upper

96 100

61 233.7 103.8 192.8#

63 898.7 84.4 156.7#



#13

Acetone

Concen: 10.630 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017108.D

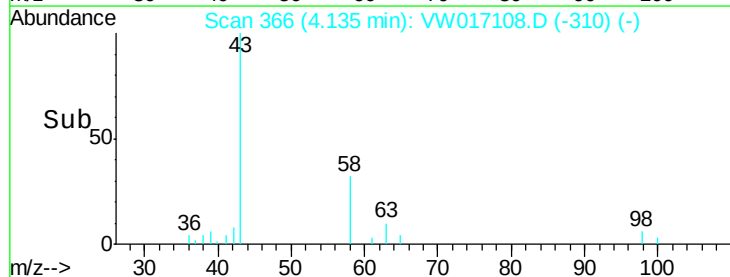
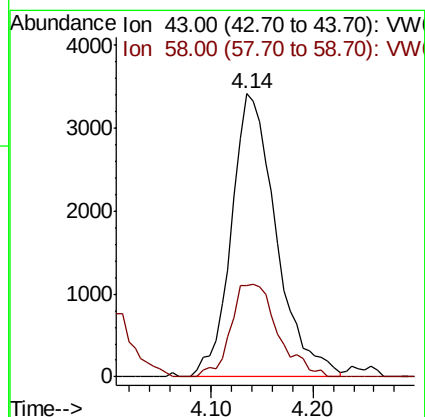
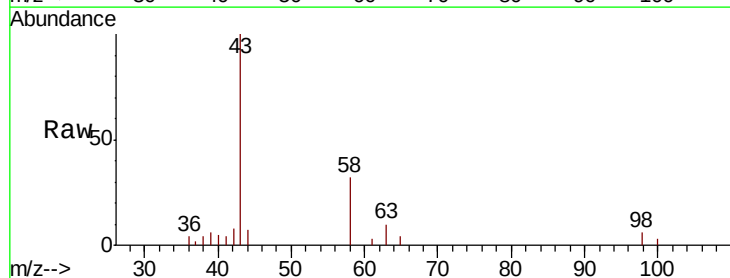
Acq: 06 Nov 2020 18:11

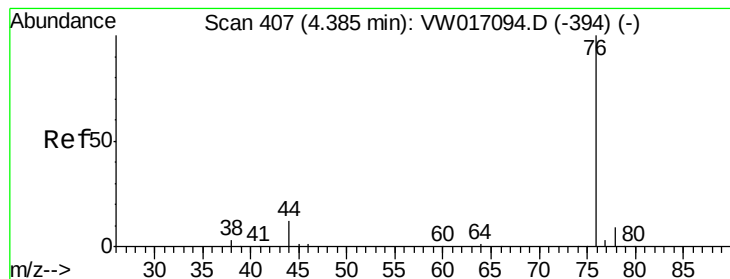
Tgt Ion: 43 Resp: 10429

Ion Ratio Lower Upper

43 100

58 30.5 0.0 69.2





#14

Carbon disulfide

Concen: 0.345 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

Instrument :

MSVOA_W

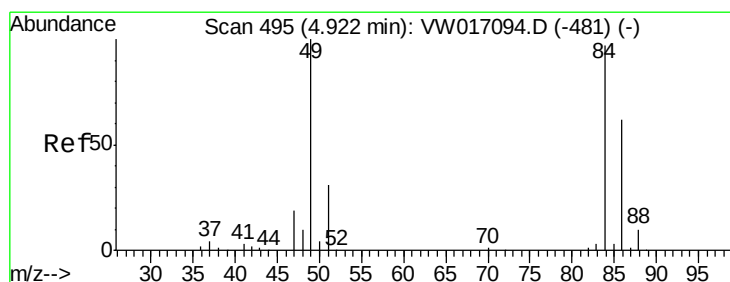
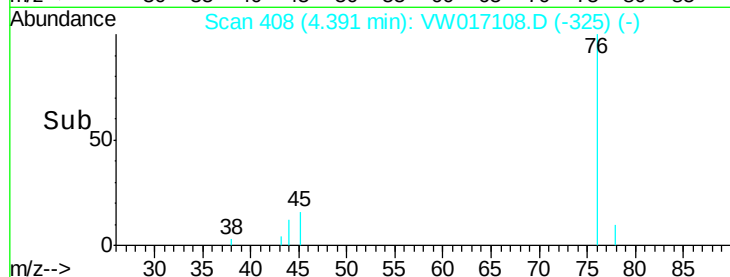
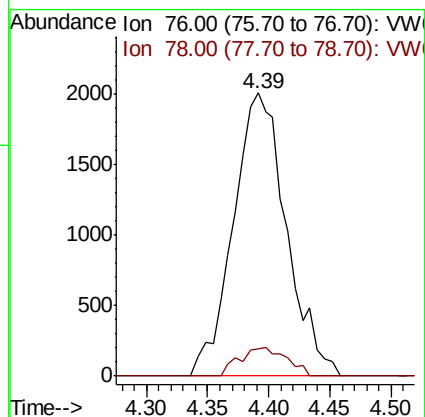
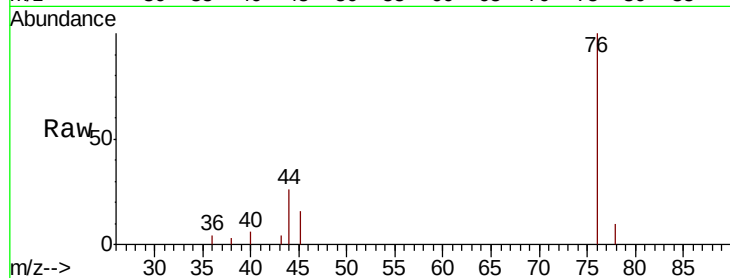
ClientSampleId :

Tot Ion: 76 Resp: 6060

Ion Ratio Lower Upper

76 100

78 9.9 7.6 11.4



#16

Methylene chloride

Concen: 3.445 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

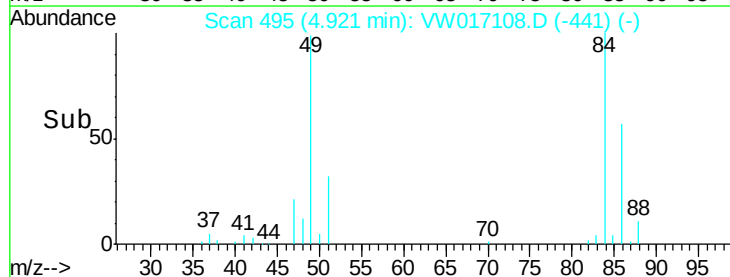
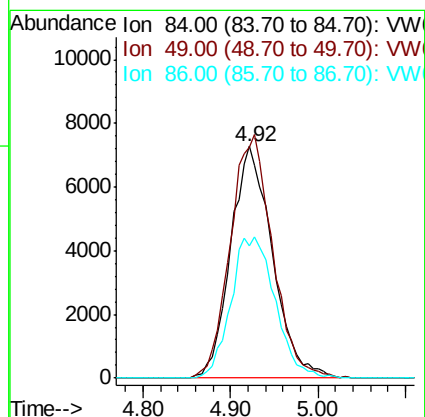
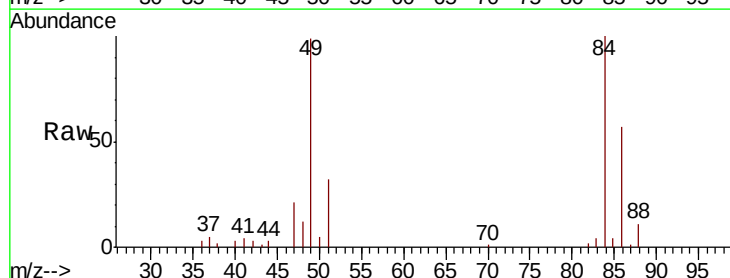
Tgt Ion: 84 Resp: 24159

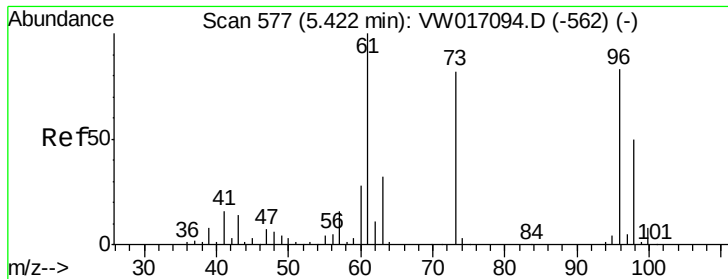
Ion Ratio Lower Upper

84 100

49 99.4 72.3 134.3

86 56.9 45.1 83.7

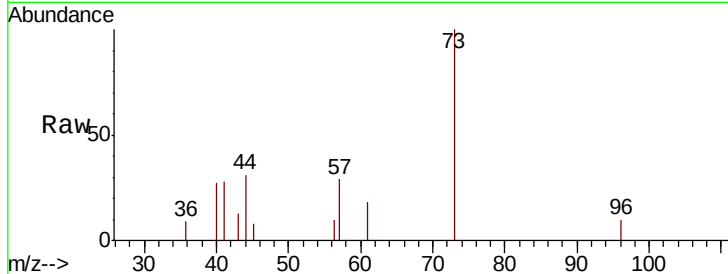




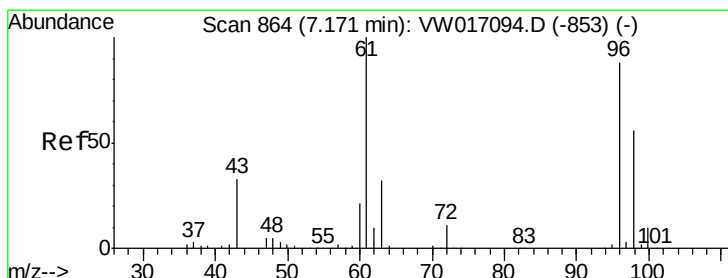
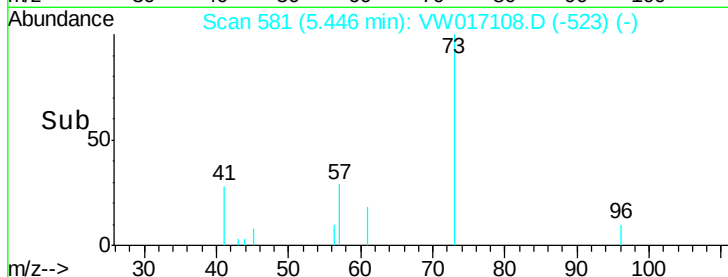
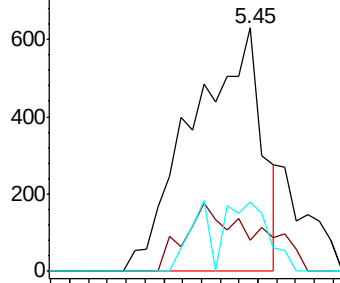
#17
Methyl tert-butyl Ether
Concen: 0.205 ug/L
RT: 5.45 min Scan# 581
Delta R.T. 0.02 min
Lab File: VW017108.D
Acq: 06 Nov 2020 18:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 1617
Ion Ratio Lower Upper
73 100
43 1.7 14.5 21.7#
57 7.2 16.3 24.5#

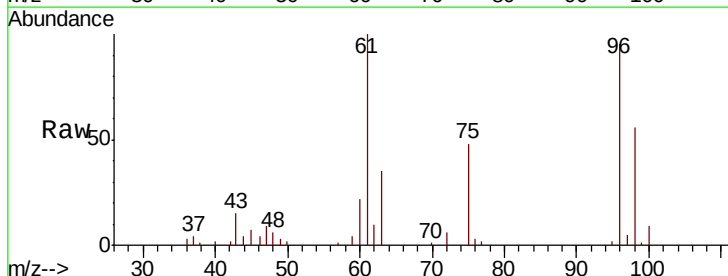


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

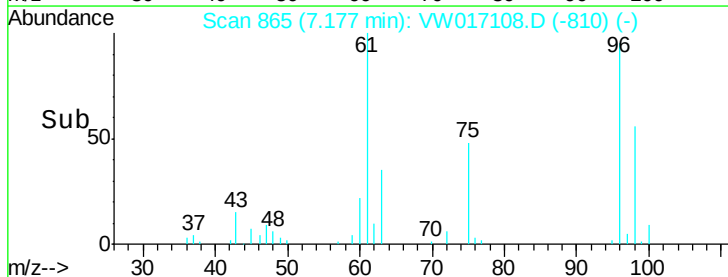
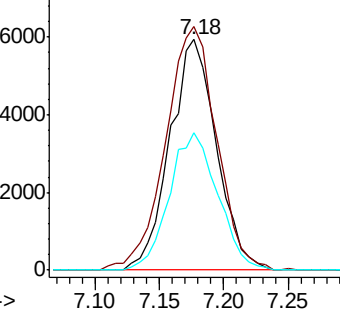


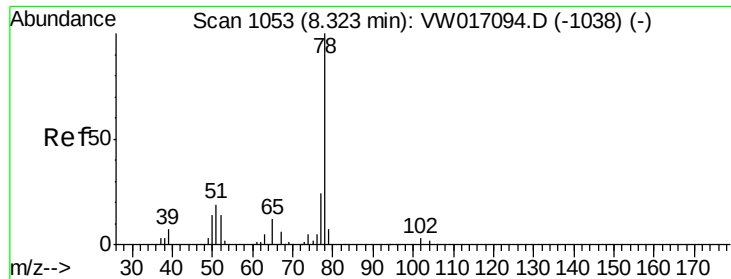
#22
cis-1,2-Dichloroethene
Concen: 2.106 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017108.D
Acq: 06 Nov 2020 18:11

Tgt Ion: 96 Resp: 14886
Ion Ratio Lower Upper
96 100
61 105.6 77.4 143.8
98 59.5 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: 17.697 ug/L

RT: 8.33 min Scan# 1054

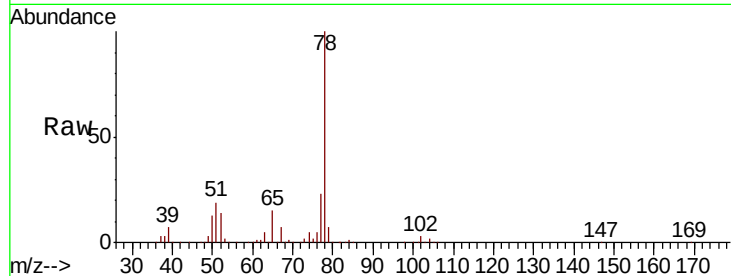
Delta R.T. 0.01 min

Lab File: VW017108.D

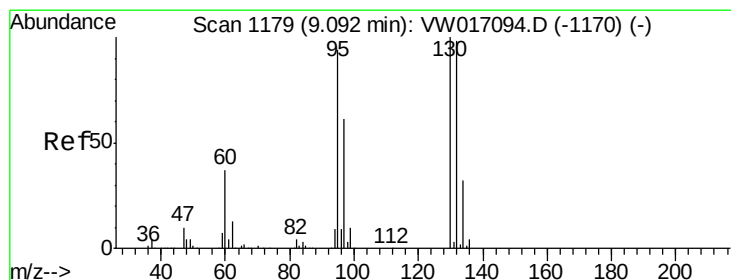
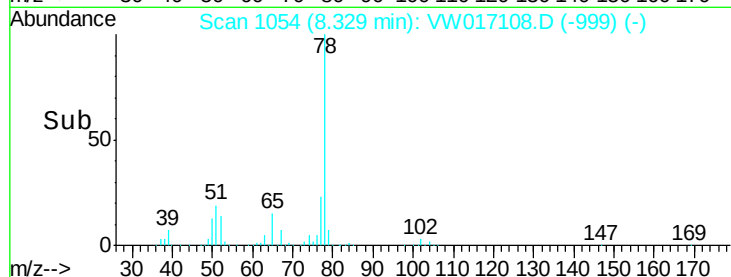
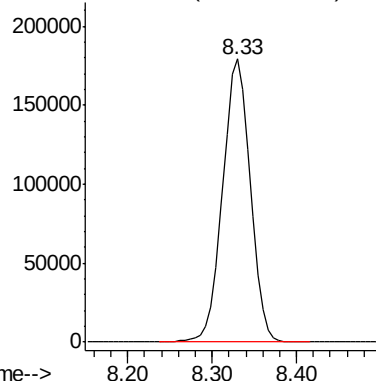
Acq: 06 Nov 2020 18:11

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 78 Resp: 401275



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 273.926 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

Tgt Ion: 95 Resp: 1739911

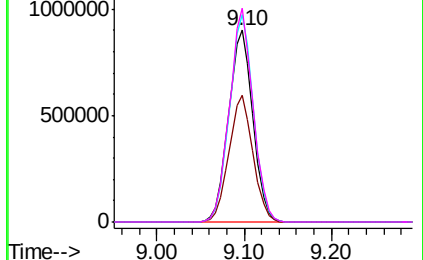
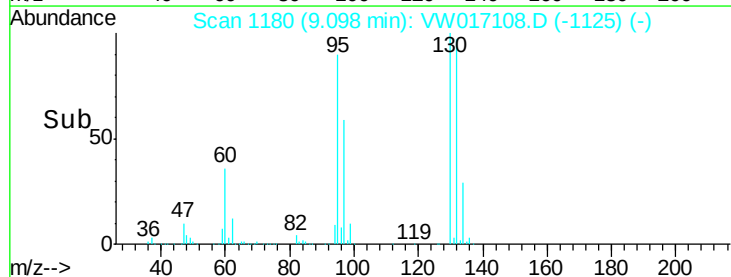
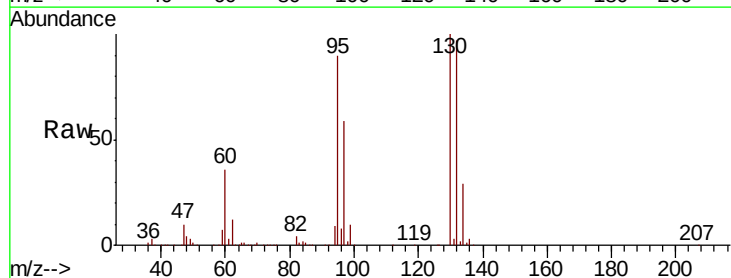
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.0	83.6
132	106.5	73.7	136.9
130	108.3	77.1	143.1

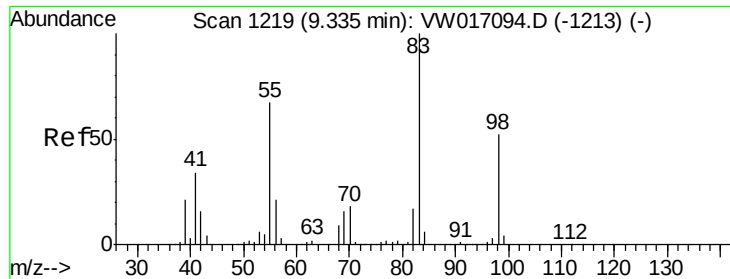
Abundance Ion 95.00 (94.70 to 95.70): VW

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

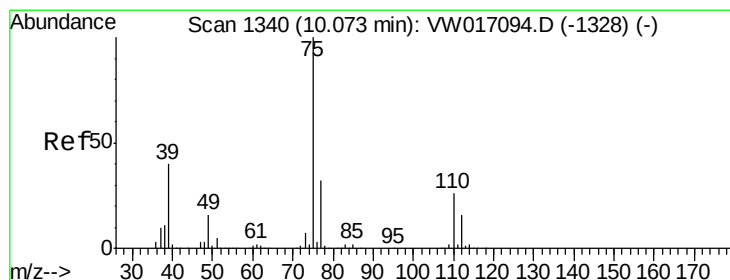
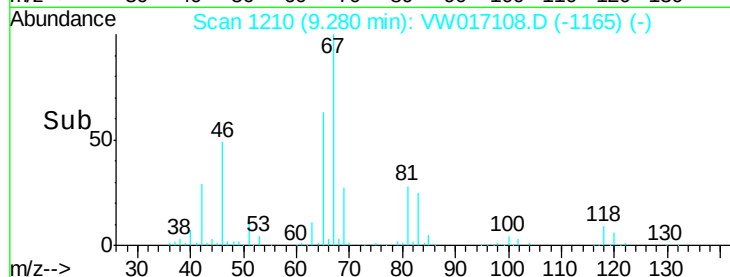
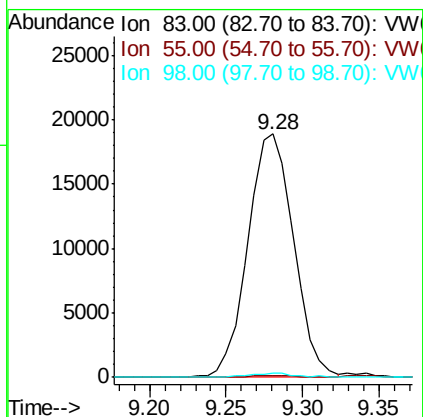
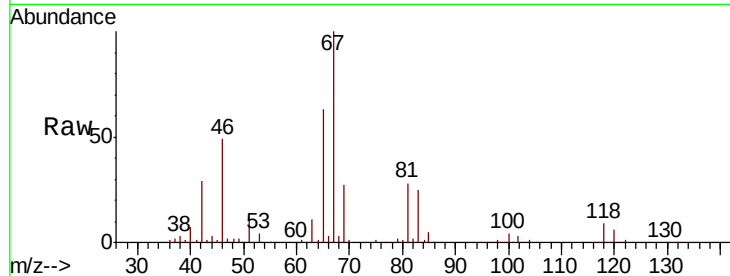




#36
Methylcyclohexane
Concen: 3.843 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.05 min
Lab File: VW017108.D
Acq: 06 Nov 2020 18:11

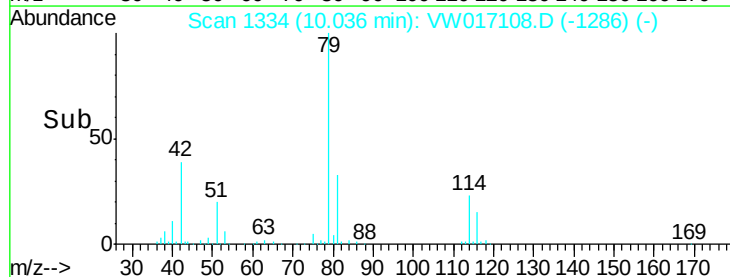
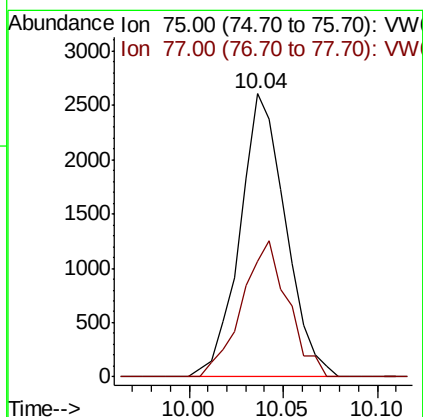
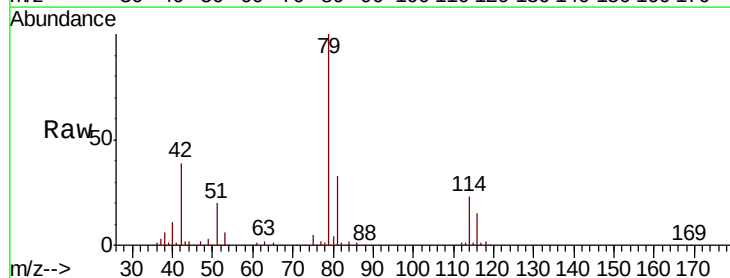
Instrument :
MSVOA_W
ClientSampled :

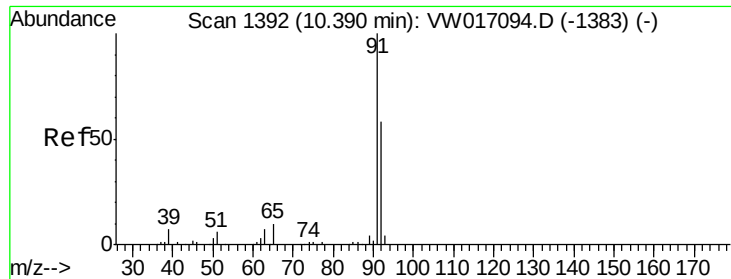
Tot Ion: 83 Resp: 39274
Ion Ratio Lower Upper
83 100
55 0.2 54.4 81.6#
98 1.7 40.5 60.7#



#42
cis-1,3-Dichloropropene
Concen: 0.523 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017108.D
Acq: 06 Nov 2020 18:11

Tgt Ion: 75 Resp: 4391
Ion Ratio Lower Upper
75 100
77 40.9 22.0 41.0





#44

Toluene

Concen: 0.360 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

Instrument :

MSVOA_W

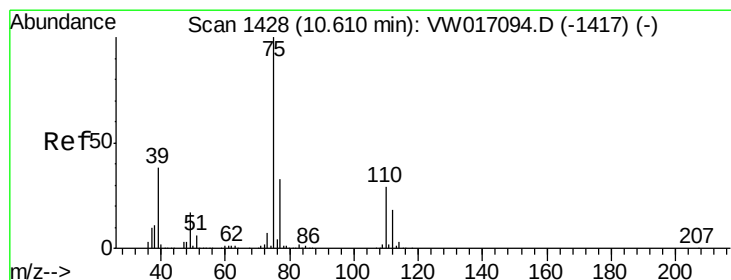
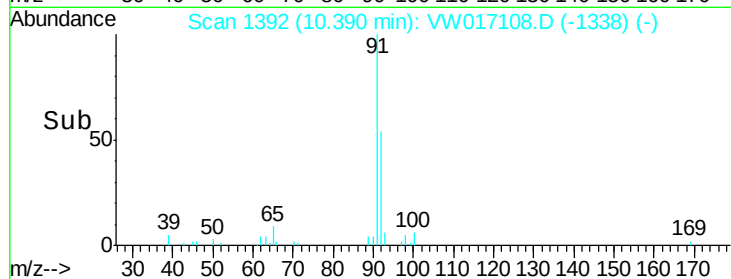
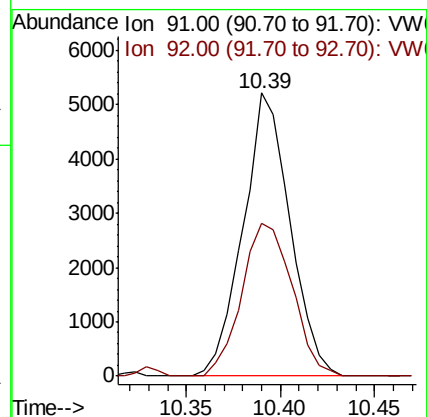
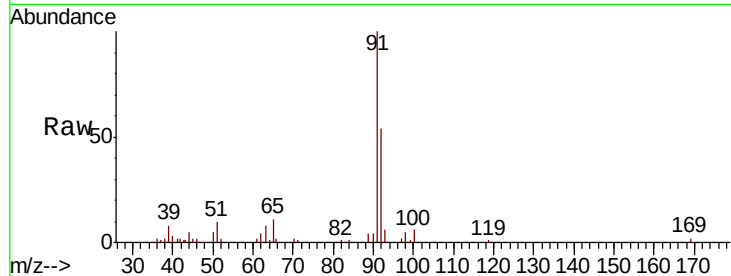
ClientSampleId :

Tot Ion: 91 Resp: 8992

Ion Ratio Lower Upper

91 100

92 53.9 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 0.337 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017108.D

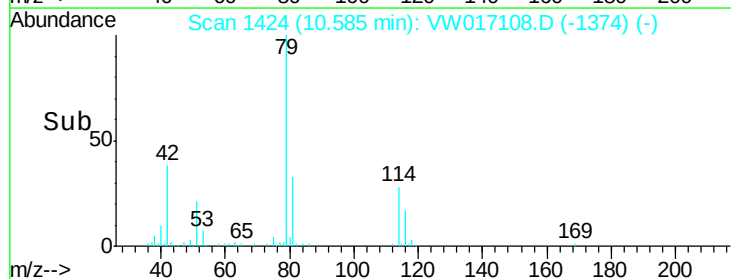
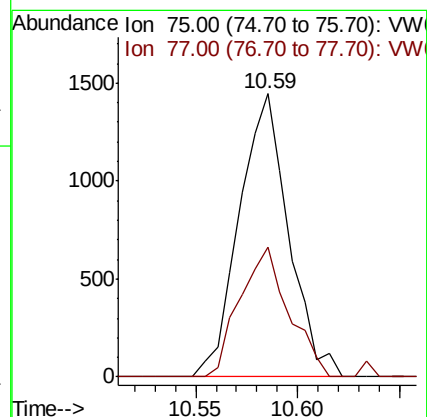
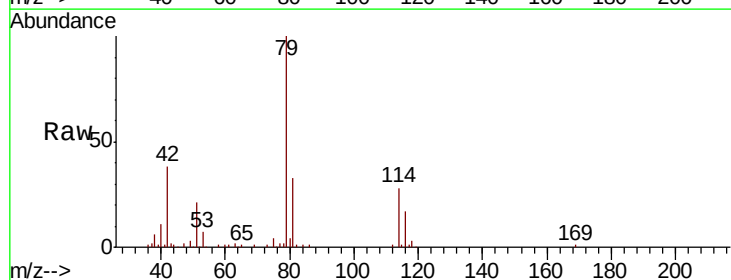
Acq: 06 Nov 2020 18:11

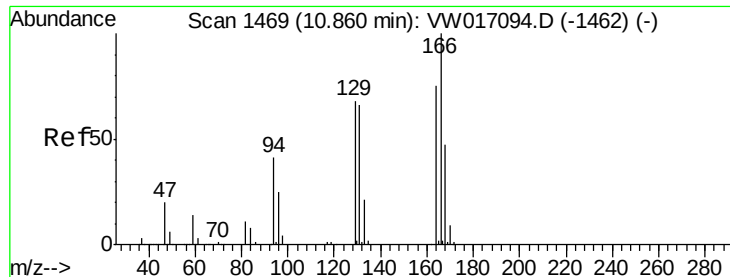
Tgt Ion: 75 Resp: 2430

Ion Ratio Lower Upper

75 100

77 46.1 22.1 41.1#

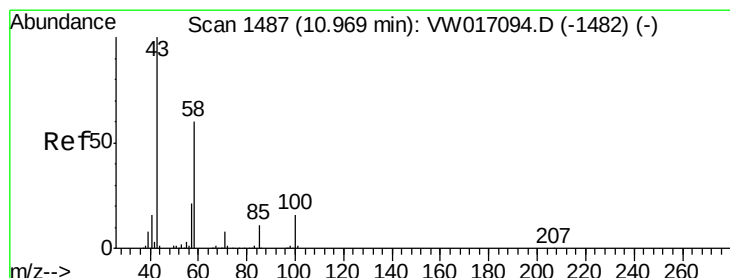
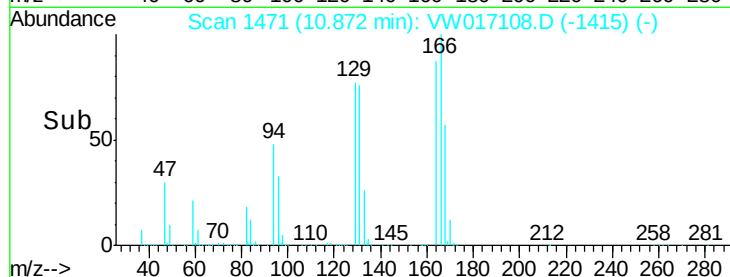
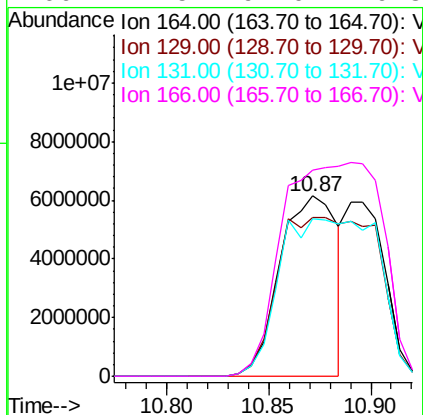
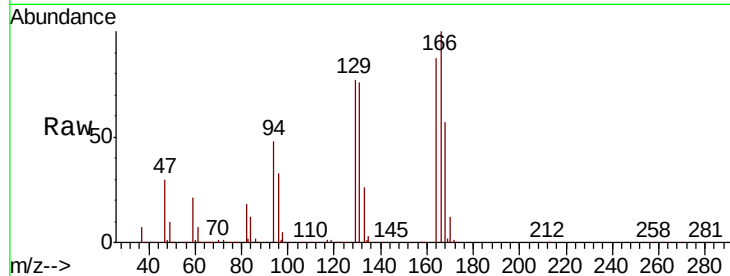




#47
Tetrachloroethene
Concen: 2099.347 ug/L
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW017108.D
Acq: 06 Nov 2020 18:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:164 Resp:12030865
Ion Ratio Lower Upper
164 100
129 88.0 62.9 116.7
131 87.2 63.3 117.5
166 114.5 92.0 170.8



#49
2-Hexanone
Concen: 1.845 ug/L
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW017108.D
Acq: 06 Nov 2020 18:11

Tgt Ion: 43 Resp: 3637
Ion Ratio Lower Upper
43 100
58 0.0 50.6 75.8#
57 30.6 17.8 26.6#
100 1.3 13.9 20.9#

