

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061120\
 Data File : VW015583.D
 Acq On : 11 Jun 2020 12:43
 Operator : SY/VA
 Sample : L2959-07
 Misc : 5.41G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K1

Manual Integrations
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MMDadoda
 6/12/2020 5:44:18 PM

Quant Time: Jun 12 05:50:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 05:02:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	324081	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	247756	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	79707	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	112109	37.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	151.00%#
7) Chloroethane-d5	2.90	69	88198	29.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.44%
10) 1,1-Dichloroethene-d2	4.01	63	156068	21.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.28%
20) 2-Butanone-d5	7.09	46	49089	50.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.26%
24) Chloroform-d	7.65	84	194903	26.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.04%
26) 1,2-Dichloroethane-d4	8.31	65	110054	26.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.60%
29) Benzene-d6	8.28	84	384319	31.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	126.52%
33) 1,2-Dichloropropane-d6	9.27	67	110832	30.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.08%#
37) Toluene-d8	10.32	98	321621	27.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.92%
38) trans-1,3-Dichloropropene-	10.58	79	46113	27.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.00%
39) 2-Hexanone-d5	10.93	63	36894	57.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	68975	24.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	64002	23.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.13	43	78615	104.878	ug/L	100
14) Carbon disulfide	4.38	76	4870	0.378	ug/L #	90
16) Methylene chloride	4.91	84	6369m	1.601	ug/L	
21) 2-Butanone	7.18	43	45366	39.397	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	3696	0.856	ug/L	93
34) Benzene	8.33	78	22883	1.652	ug/L	100
35) Trichloroethene	9.09	95	7467	2.006	ug/L	97
44) Toluene	10.39	91	205985	13.646	ug/L	96
47) Tetrachloroethene	10.87	164	24889	8.436	ug/L	97
53) Ethylbenzene	11.73	91	71371	4.118	ug/L	99
54) m,p-Xylene	11.83	106	52326	8.045	ug/L	97
55) o-xylene	12.17	106	20025	3.244	ug/L	100
56) Styrene	12.18	104	9446	0.895	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	10757	2.251	ug/L #	82
68) 1,2,4-trichlorobenzene	15.13	180	3310	1.217	ug/L #	32

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Manual Integrations
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Quant Time: Jun 12 05:50:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 12 05:02:36 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

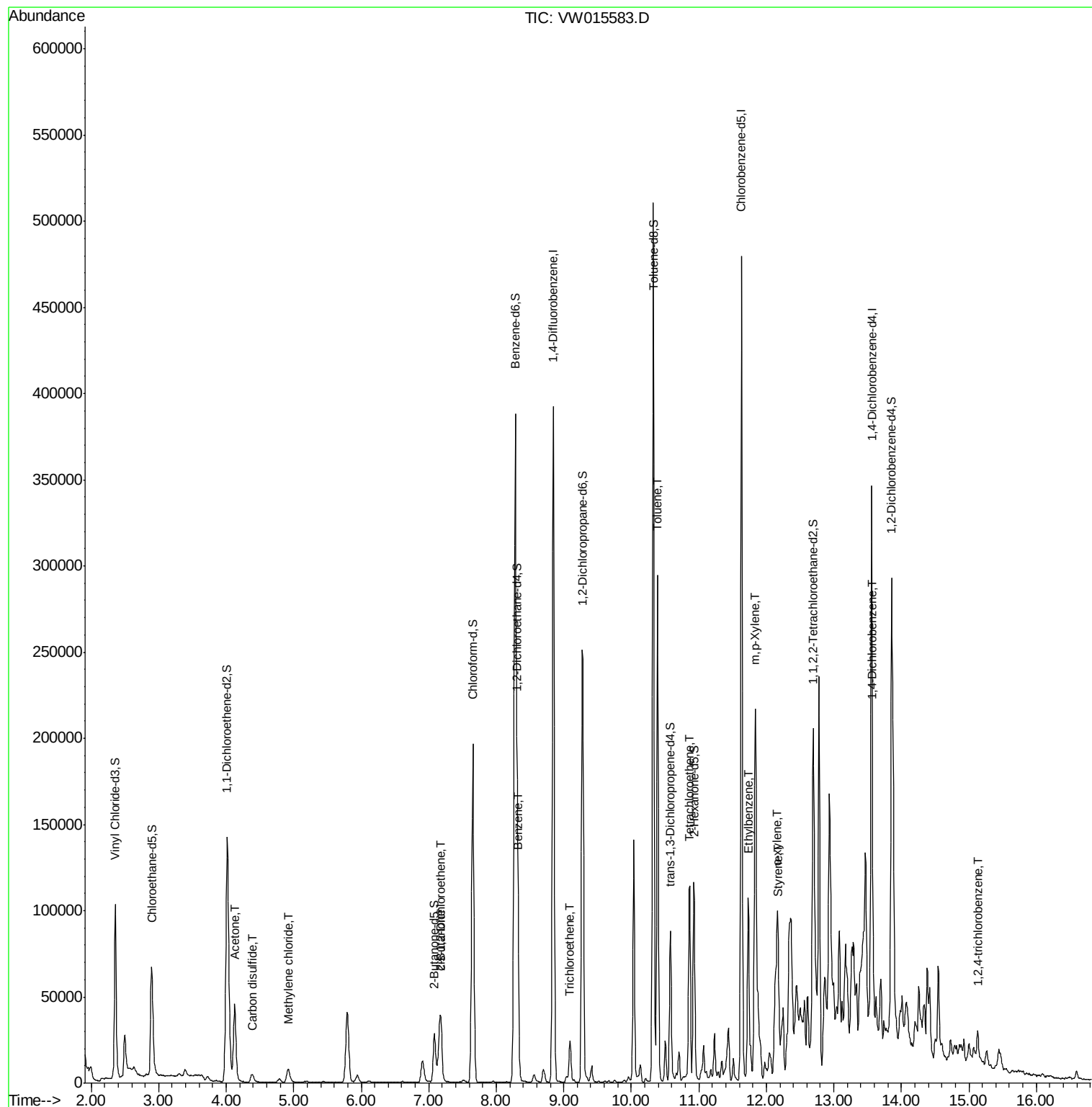
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061120\
Data File : VW015583.D
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Operator : SY/VA
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ALS Vial : 1 Sample Multiplier: 1

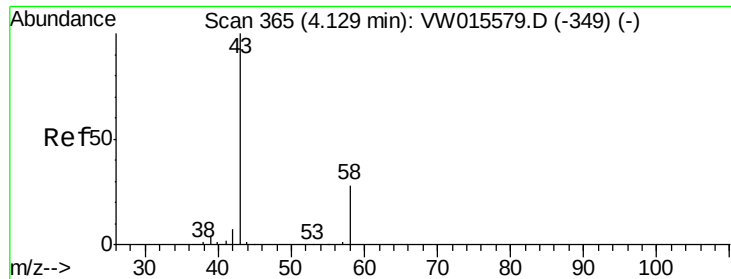
Instrument :
MSVOA_W
ClientSampleId :
BG2K1

Manual Integrations
APPROVED

MMDadoda
6/12/2020 5:44:18 PM

Quant Time: Jun 12 05:50:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 12 05:02:36 2020
Response via : Initial Calibration





#13

Acetone

Concen: 104.878 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW015583.D

Acq: 11 Jun 2020 12:43

Instrument :

MSVOA_W

ClientSampled :

BG2K1

Tot Ion: 43 Resp: 78615

Ion Ratio Lower Upper

43 100

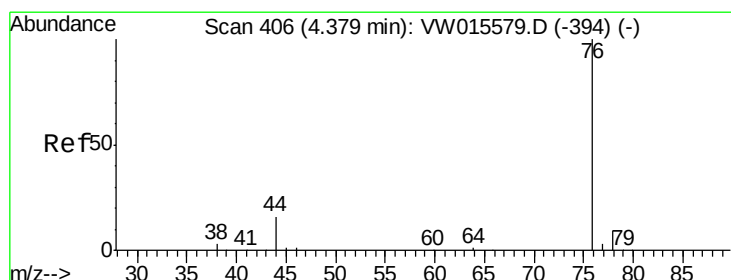
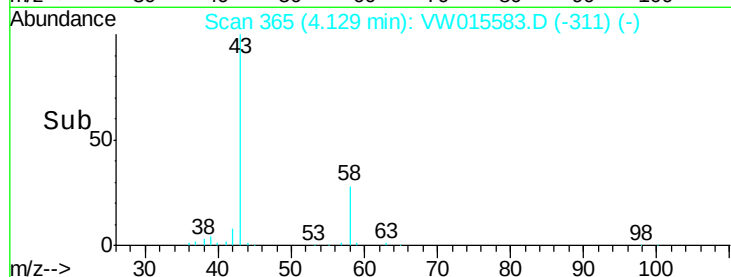
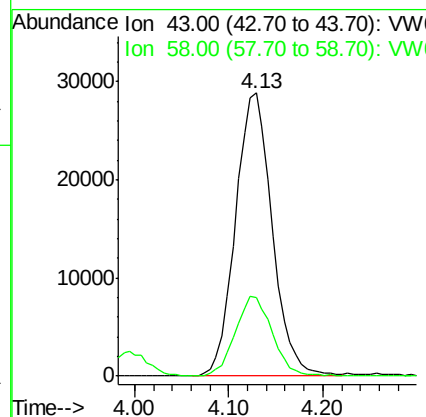
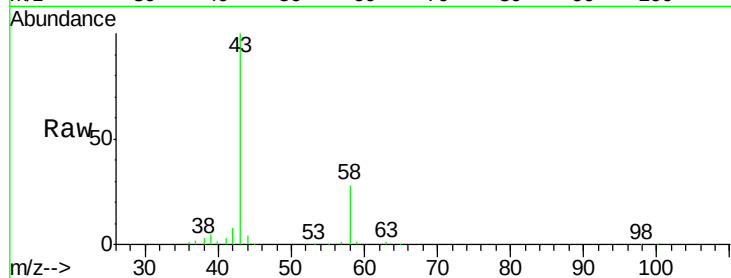
58 28.3 0.0 56.8

Manual Integrations

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#14

Carbon disulfide

Concen: 0.378 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015583.D

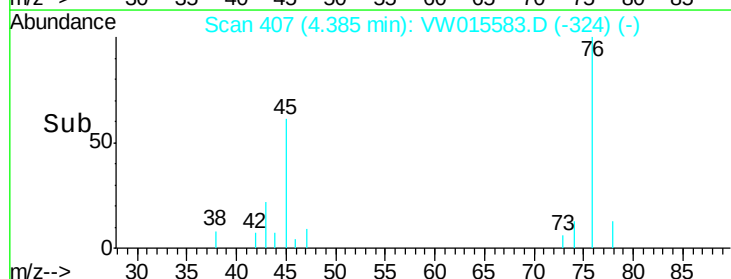
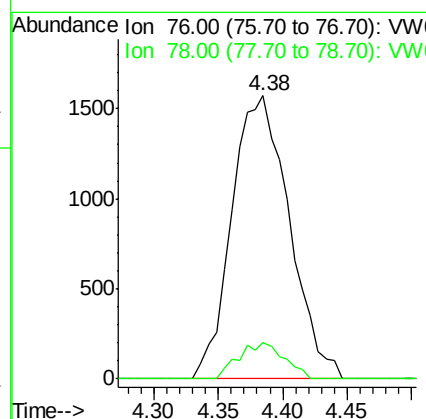
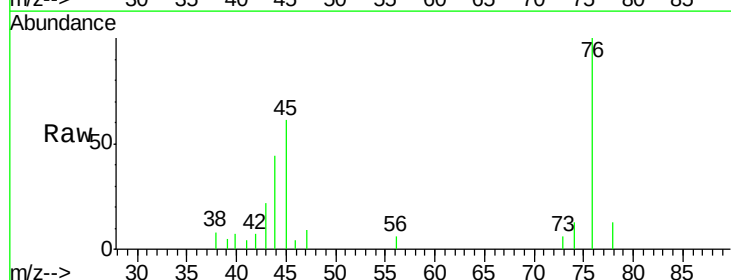
Acq: 11 Jun 2020 12:43

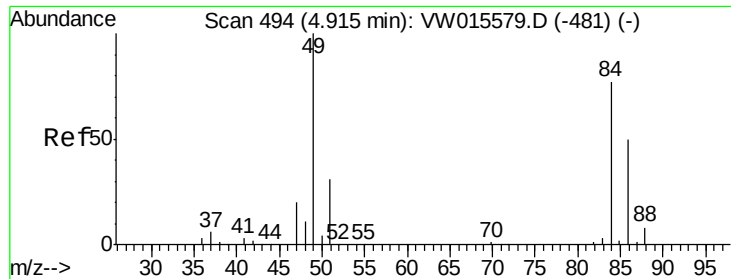
Tgt Ion: 76 Resp: 4870

Ion Ratio Lower Upper

76 100

78 12.7 7.3 10.9#





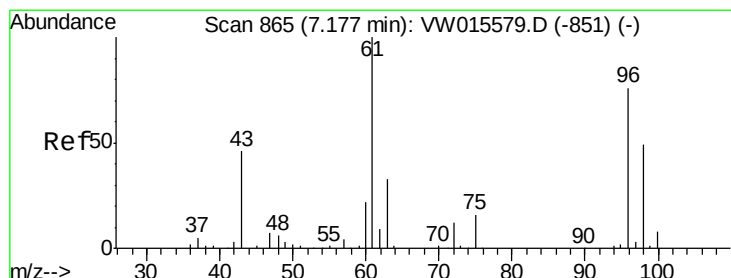
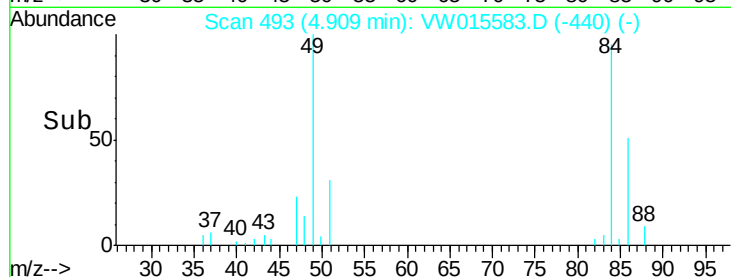
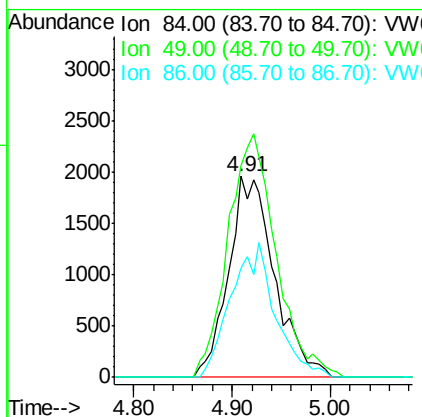
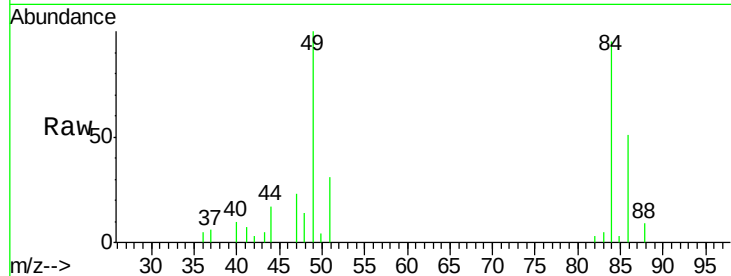
#16
Methylene chloride
Concen: 1.601 ug/L m
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015583.D
Acq: 11 Jun 2020 12:43

Instrument :
MSVOA_W
ClientSampled :
BG2K1

Tot Ion: 84 Resp: 6369
Ion Ratio Lower Upper
84 100
49 105.3 93.0 172.8
86 54.2 44.7 83.1

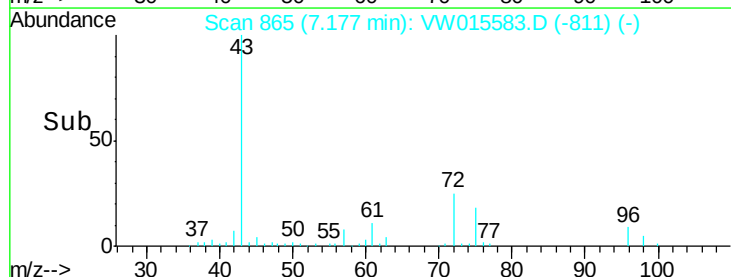
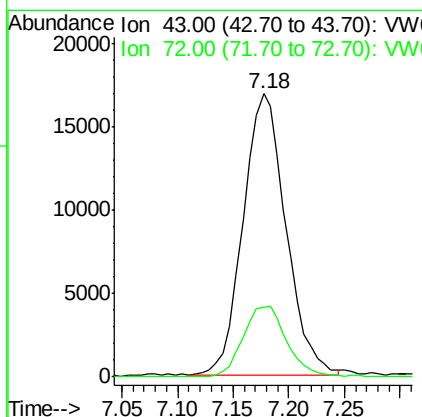
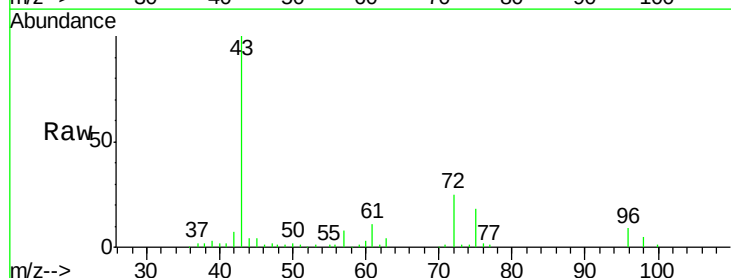
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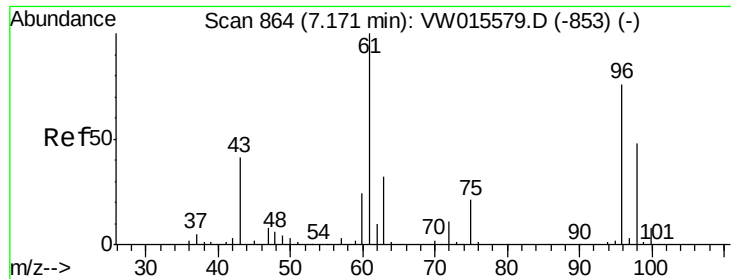
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#21
2-Butanone
Concen: 39.397 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW015583.D
Acq: 11 Jun 2020 12:43

Tgt Ion: 43 Resp: 45366
Ion Ratio Lower Upper
43 100
72 25.5 13.3 39.9





#22

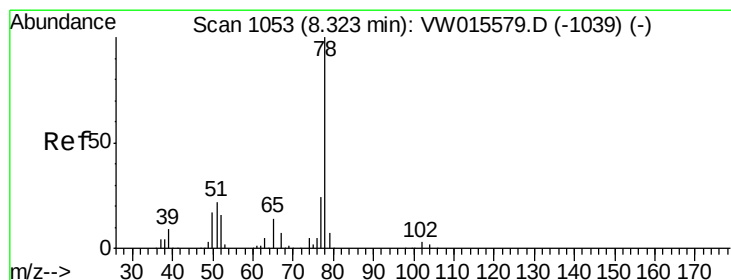
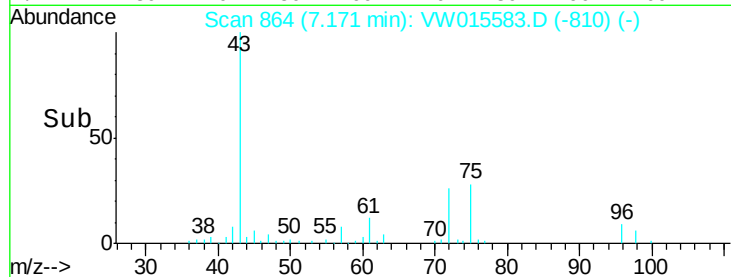
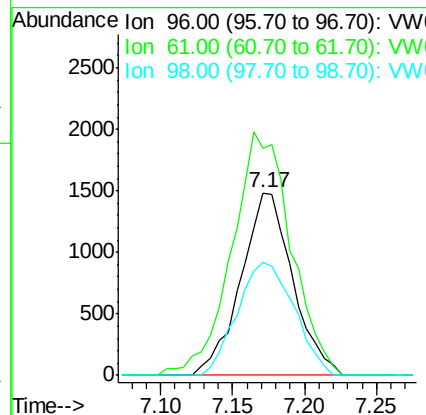
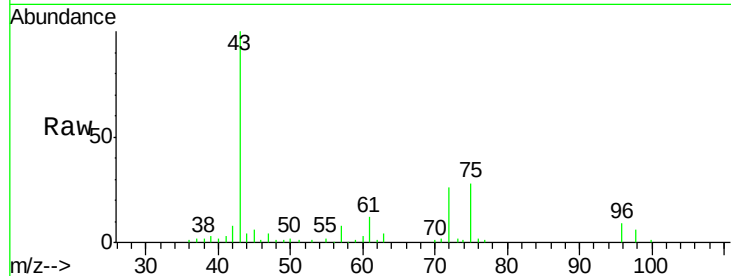
cis-1,2-Dichloroethene
Concen: 0.856 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015583.D
Acq: 11 Jun 2020 12:43

Instrument :
MSVOA_W
ClientSampled :
BG2K1

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	124.0	93.7	173.9	
98	62.0	45.1	83.9	

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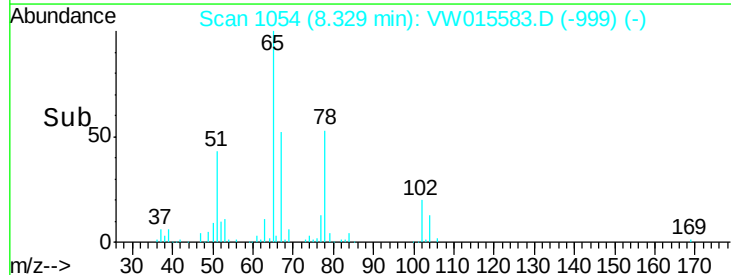
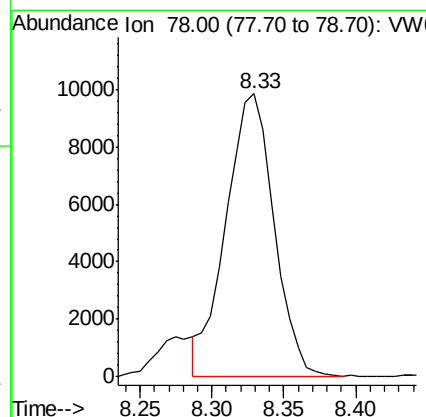
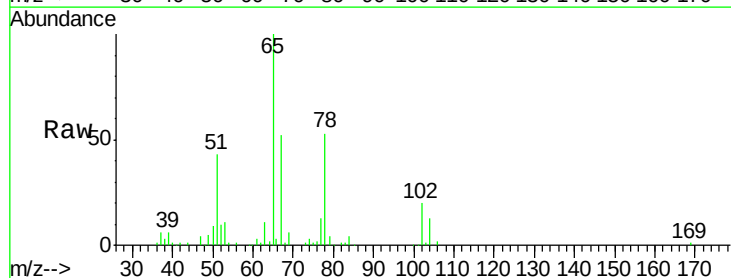
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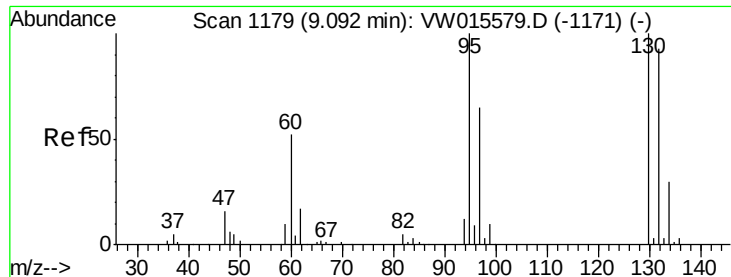


#34

Benzene
Concen: 1.652 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW015583.D
Acq: 11 Jun 2020 12:43

Tgt Ion: 78 Resp: 22883





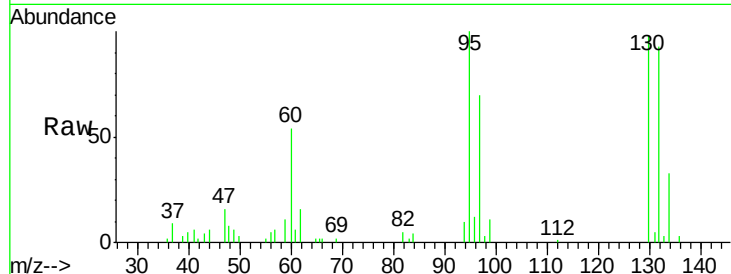
#35
 Trichloroethene
 Concen: 2.006 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015583.D
 Acq: 11 Jun 2020 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K1

Tot Ion	Ratio	Lower	Upper
95	100		
97	70.1	45.4	84.2
132	96.7	67.1	124.7
130	100.7	69.4	128.8

Manual Integrations
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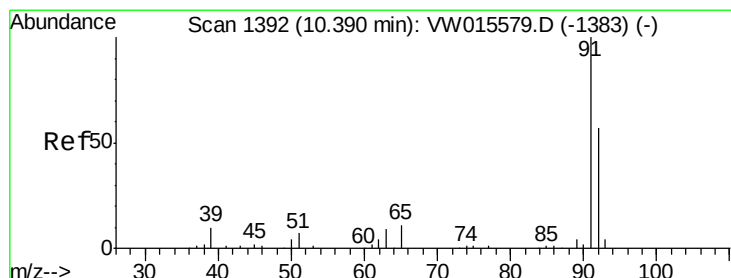
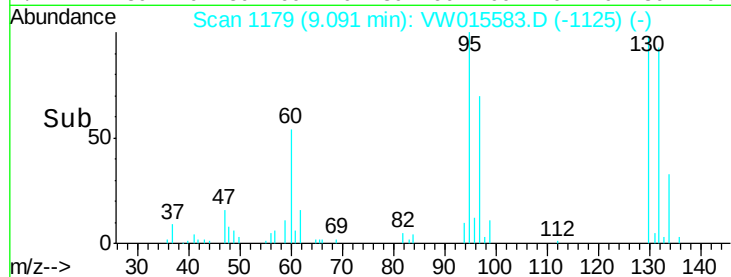
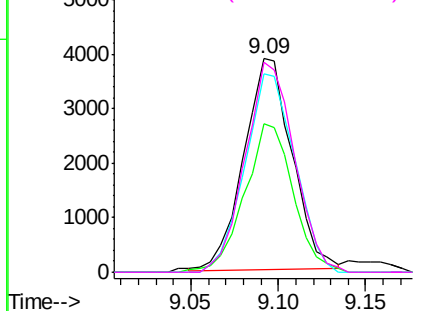
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

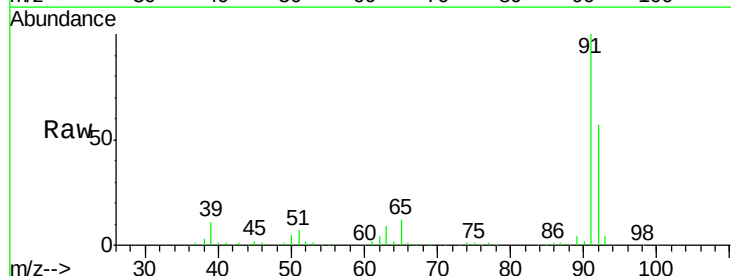
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44
 Toluene
 Concen: 13.646 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW015583.D
 Acq: 11 Jun 2020 12:43

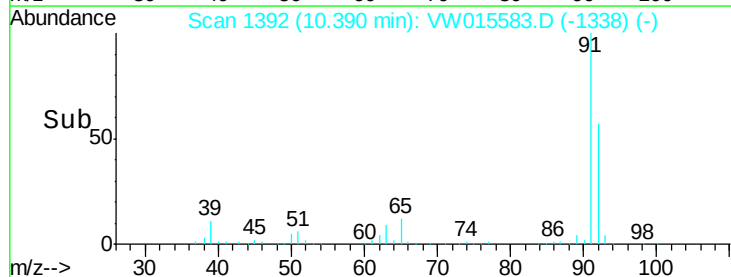
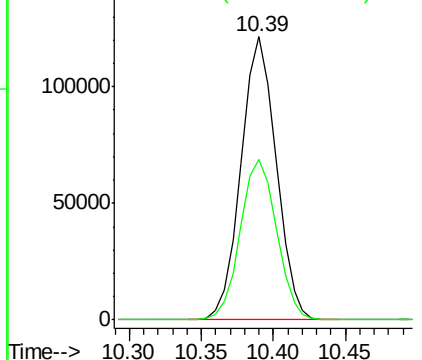
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	41.7	77.5

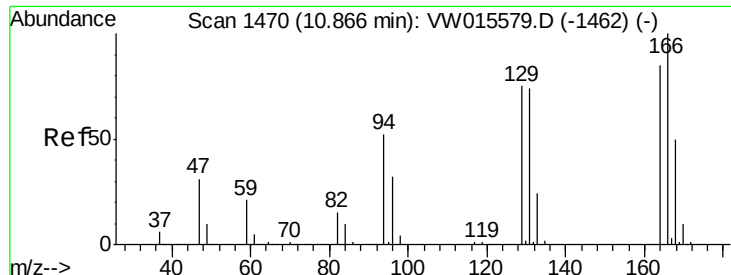


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





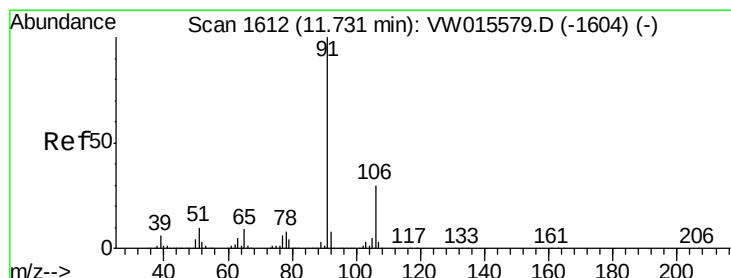
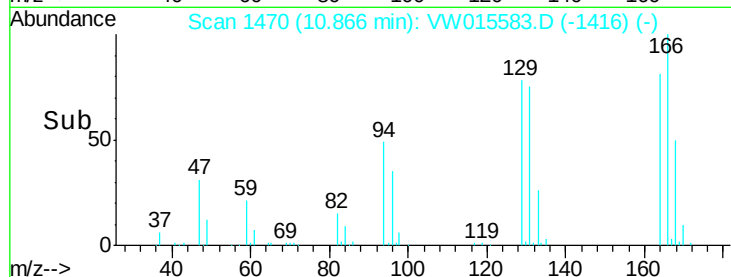
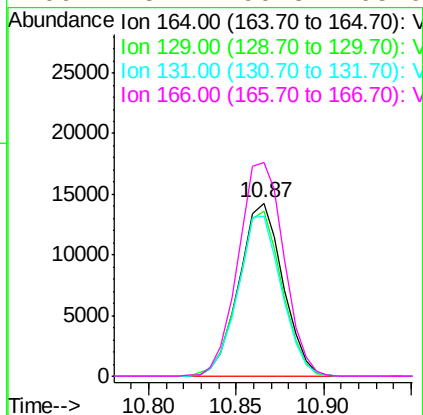
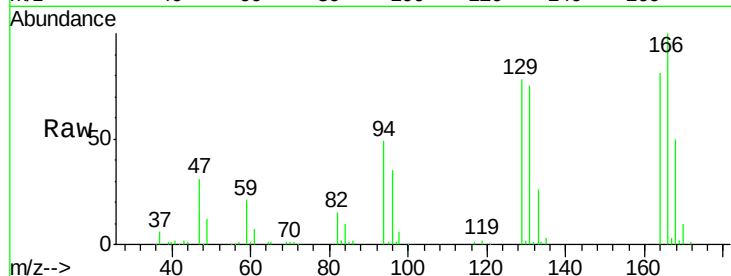
#47
Tetrachloroethene
Concen: 8.436 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW015583.D
Acq: 11 Jun 2020 12:43

Instrument :
MSVOA_W
ClientSampled :
BG2K1

Tot Ion	Ratio	Lower	Upper
164	100		
129	95.7	66.3	123.1
131	92.6	65.1	120.9
166	123.4	90.8	168.6

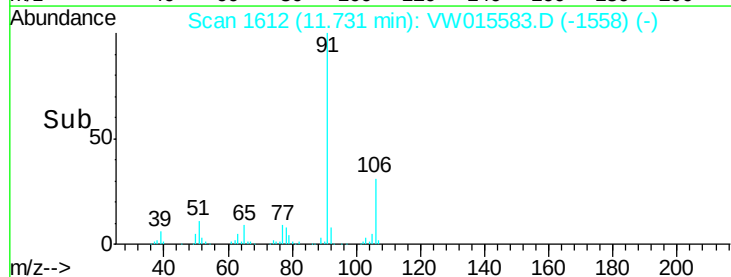
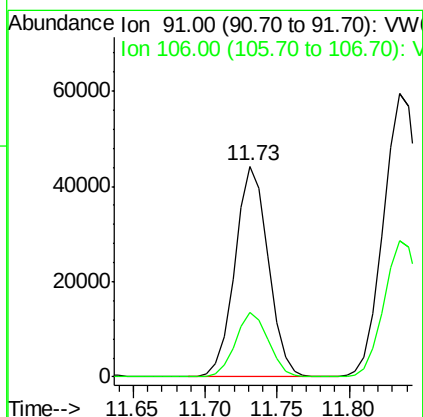
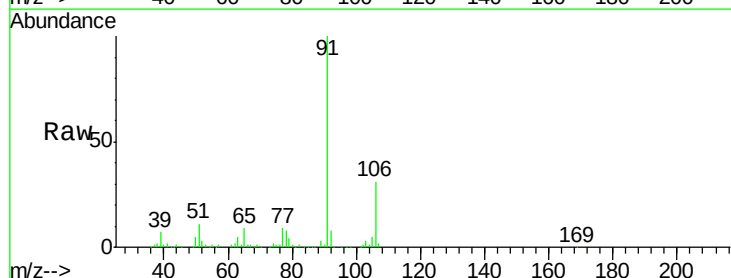
Manual Integrations
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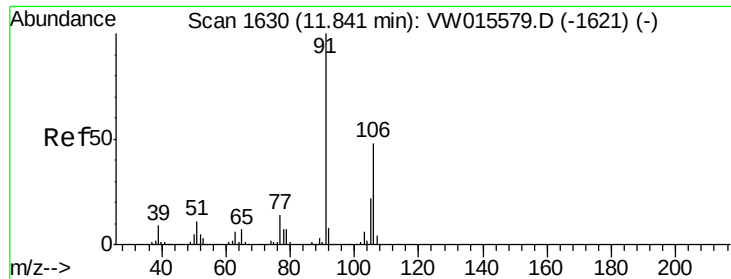
MMDadoda
6/12/2020 5:44:18 PM



#53
Ethylbenzene
Concen: 4.118 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015583.D
Acq: 11 Jun 2020 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	21.3	39.6





#54

m,p-Xylene

Concen: 8.045 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015583.D

Acq: 11 Jun 2020 12:43

Instrument :

MSVOA_W

ClientSampled :

BG2K1

Tot Ion:106 Resp: 52326

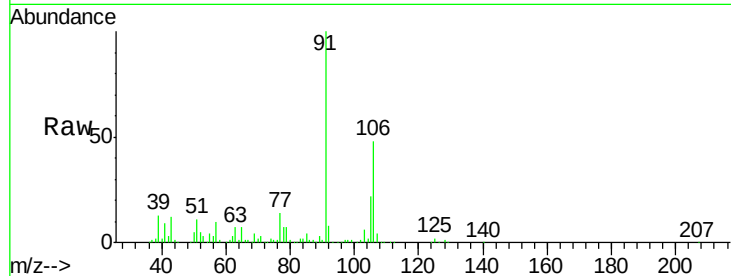
Ion Ratio Lower Upper

106 100

91 207.7 142.6 264.8

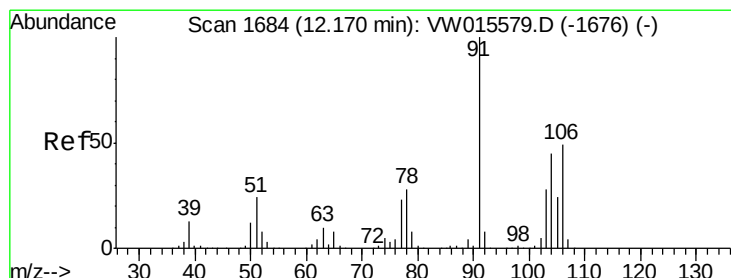
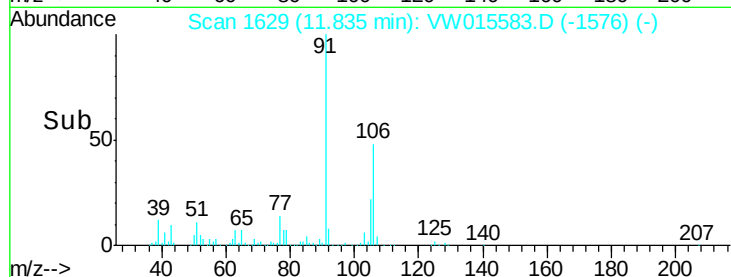
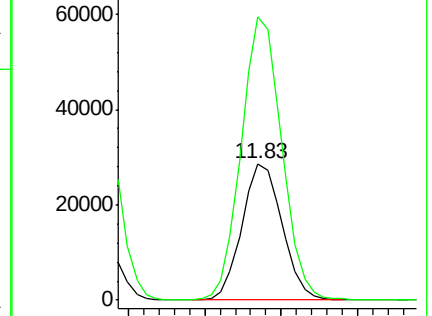
Manual Integrations
APPROVED

MMDadoda
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 3.244 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW015583.D

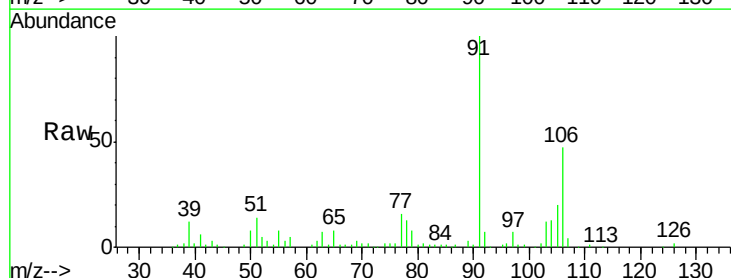
Acq: 11 Jun 2020 12:43

Tgt Ion:106 Resp: 20025

Ion Ratio Lower Upper

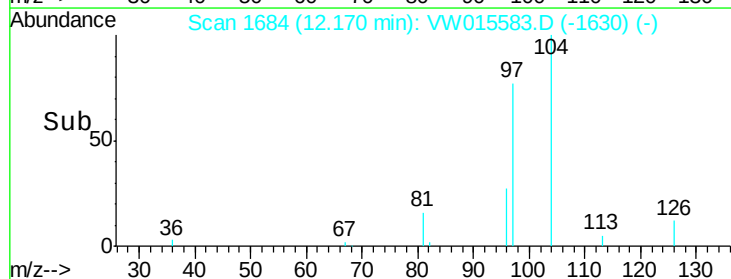
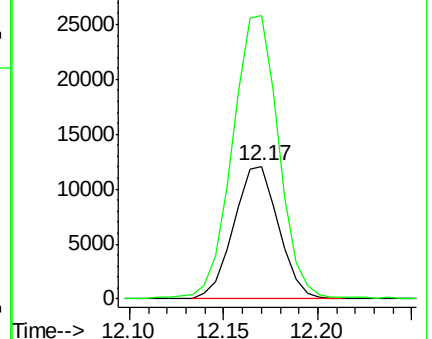
106 100

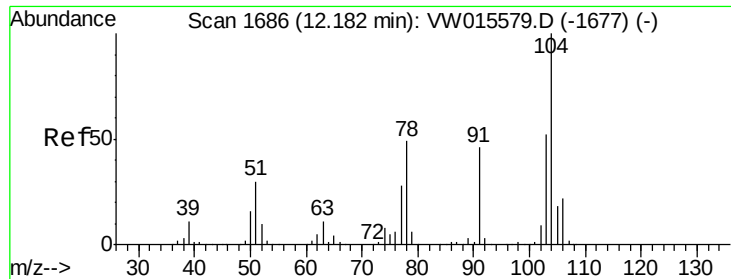
91 213.4 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 0.895 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015583.D

Acq: 11 Jun 2020 12:43

Instrument :

MSVOA_W

ClientSampled :

BG2K1

Tot Ion:104 Resp: 9446

Ion Ratio Lower Upper

104 100

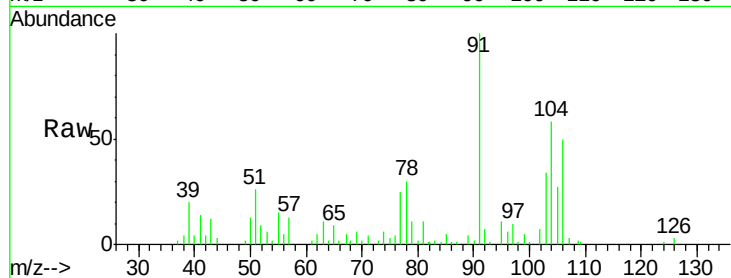
78 51.8 32.9 61.1

Manual Integrations

APPROVED

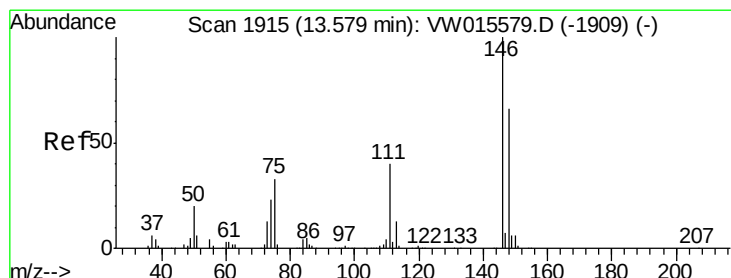
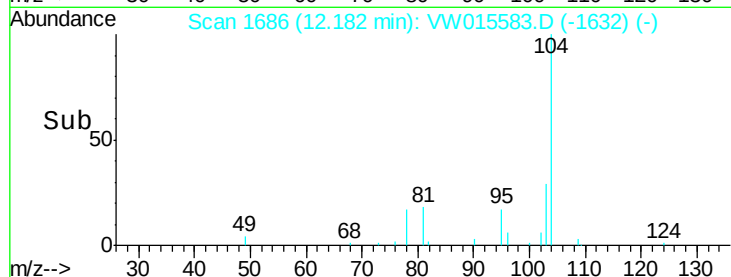
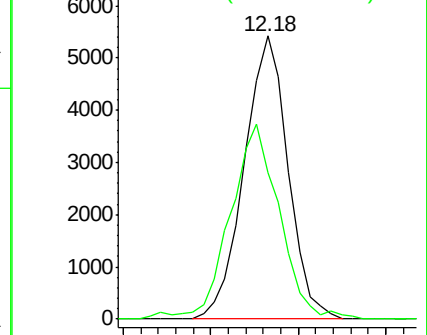
MMDadoda

6/12/2020 5:44:18 PM



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V



#64

1,4-Dichlorobenzene

Concen: 2.251 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW015583.D

Acq: 11 Jun 2020 12:43

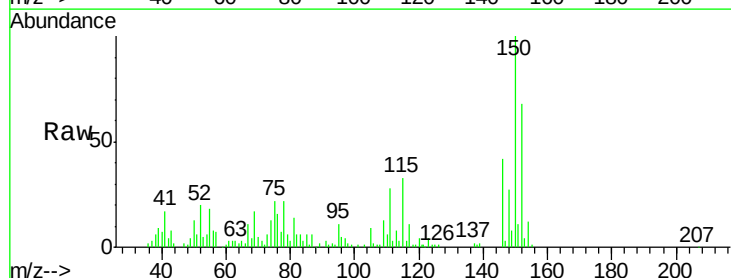
Tgt Ion:146 Resp: 10757

Ion Ratio Lower Upper

146 100

111 66.0 28.1 52.1#

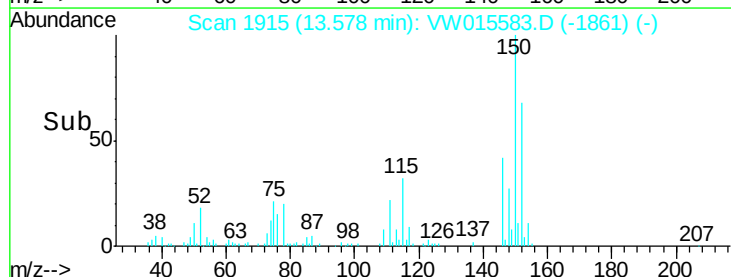
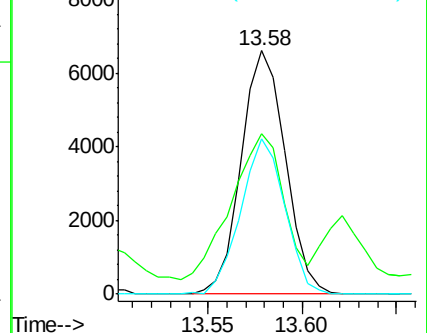
148 63.6 43.3 80.3

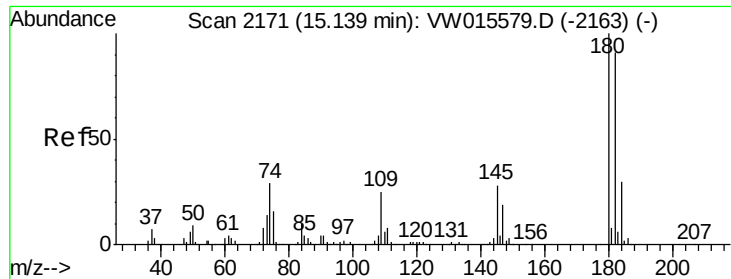


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68
 1,2,4-trichlorobenzene
 Concen: 1.217 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW015583.D
 Acq: 11 Jun 2020 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K1

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	76.1	114.1
145	175.8	25.2	37.8#

Manual Integrations
 APPROVED

MMDadoda
 6/12/2020 5:44:18 PM

