

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
 Data File : VW017165.D
 Acq On : 11 Nov 2020 15:48
 Operator : SY/VA
 Sample : L4693-08
 Misc : 5.60G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 BG4D8

Manual Integrations
 APPROVED

MMDadoda
 11/13/2020 11:41:07 AM

Quant Time: Nov 12 05:36:56 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	506900	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	356298	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	115108	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	129915	20.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.40%
7) Chloroethane-d5	2.89	69	110009	22.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.44%
10) 1,1-Dichloroethene-d2	4.02	63	176384	15.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.76%
20) 2-Butanone-d5	7.09	46	37009	25.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	51.84%
24) Chloroform-d	7.65	84	250869	21.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	8.31	65	115113	19.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.28%
29) Benzene-d6	8.28	84	500594	27.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.36%
33) 1,2-Dichloropropane-d6	9.28	67	132793	26.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.84%
37) Toluene-d8	10.33	98	452027	26.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.68%
38) trans-1,3-Dichloropropene-	10.59	79	45956	20.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.24%
39) 2-Hexanone-d5	10.95	63	10821m	12.36	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	24.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	71270	16.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	65.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	90498	22.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.14	43	10763	11.258	ug/L	42
14) Carbon disulfide	4.39	76	42914	2.506	ug/L	98
16) Methylene chloride	4.92	84	10417	1.524	ug/L	93
22) cis-1,2-Dichloroethene	7.17	96	11504	1.671	ug/L	95
34) Benzene	8.33	78	114334	6.111	ug/L	100
35) Trichloroethene	9.10	95	2092176	399.204	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	3964	1.469	ug/L	91
44) Toluene	10.40	91	10900	0.529	ug/L	98
47) Tetrachloroethene	10.87	164	29208122m	6177.055	ug/L	
53) Ethylbenzene	11.74	91	11467	0.499	ug/L	96
54) m,p-Xylene	11.85	106	7496	0.833	ug/L	93
55) o-xylene	12.17	106	3829	0.448	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	10656	1.481	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	8308	1.287	ug/L	93

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

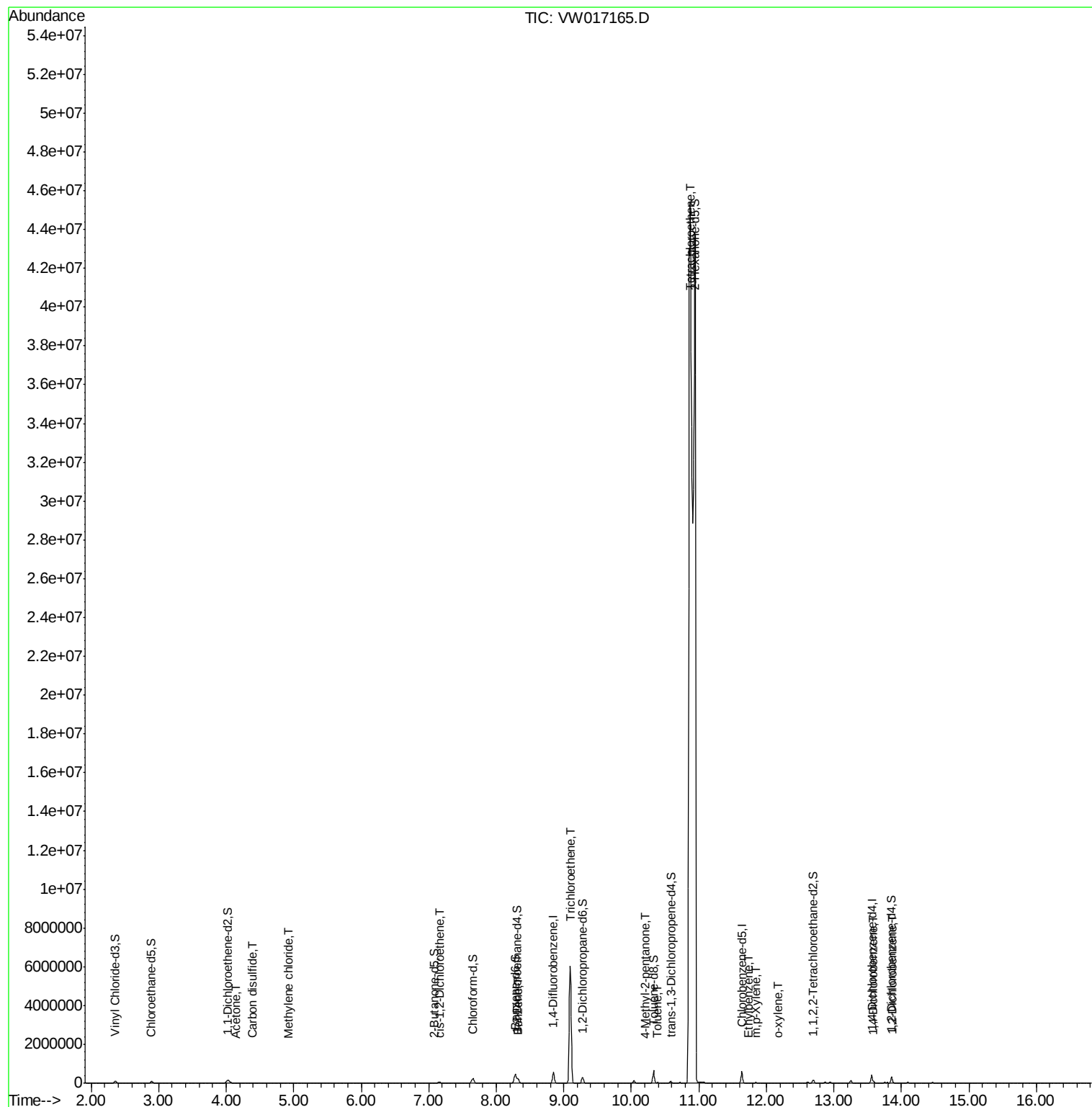
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111120\
Data File : VW017165.D
Acq On : 11 Nov 2020 15:48
Operator : SY/VA
Sample : L4693-08
Misc : 5.60G/10ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

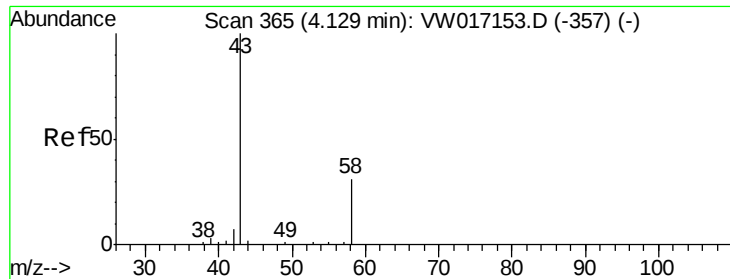
Instrument :
MSVOA_W
ClientSampleId :
BG4D8

Manual Integrations
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11/13/2020 11:41:07 AM

Quant Time: Nov 12 05:36:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 12 03:07:51 2020
Response via : Initial Calibration





#13

Acetone

Concen: 11.258 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017165.D

Acq: 11 Nov 2020 15:48

Instrument :

MSVOA_W

ClientSampled :

BG4D8

Tot Ion: 43 Resp: 10763

Ion Ratio Lower Upper

43 100

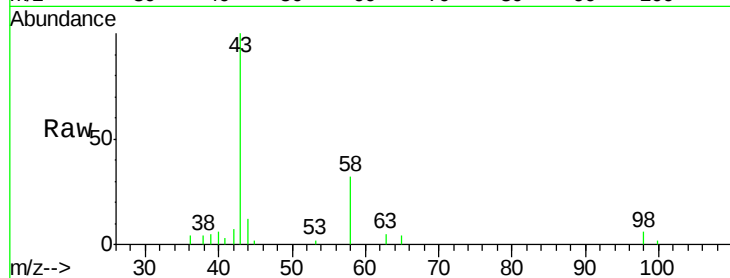
58 0.9 0.0 69.2

Manual Integrations

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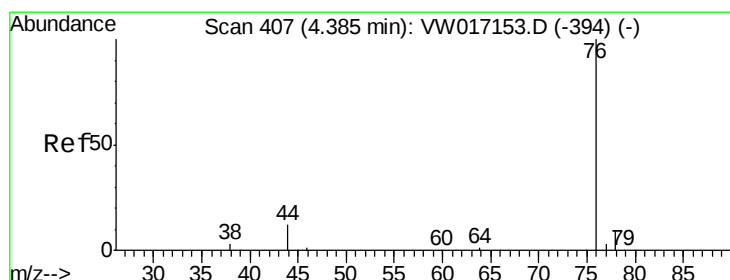
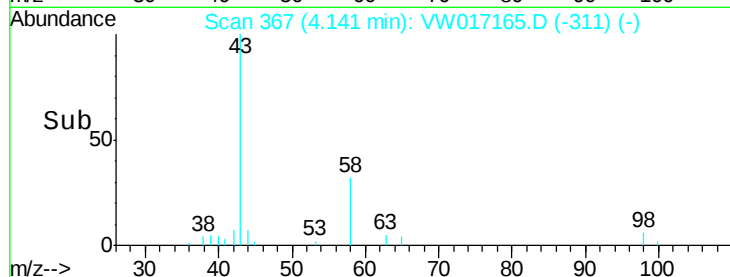
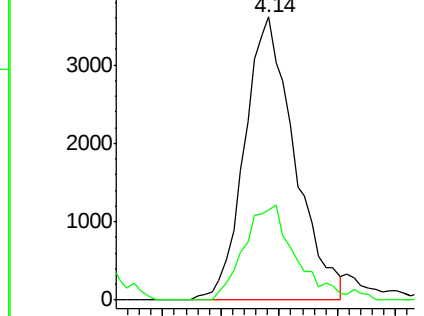
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.506 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017165.D

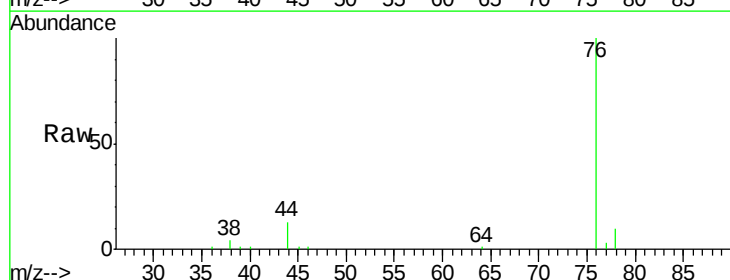
Acq: 11 Nov 2020 15:48

Tgt Ion: 76 Resp: 42914

Ion Ratio Lower Upper

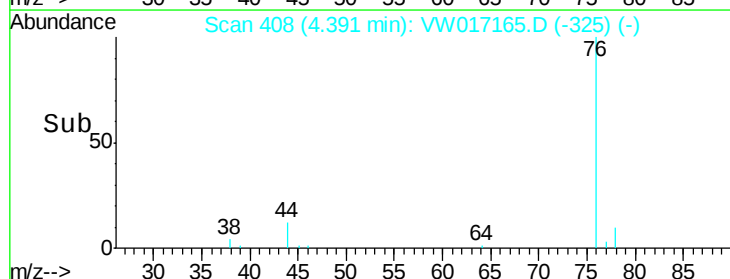
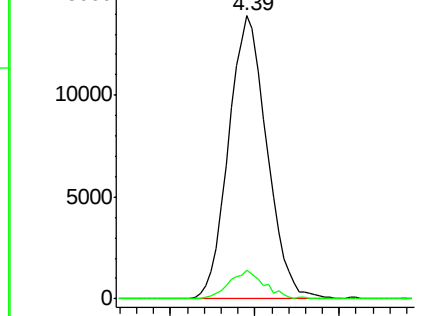
76 100

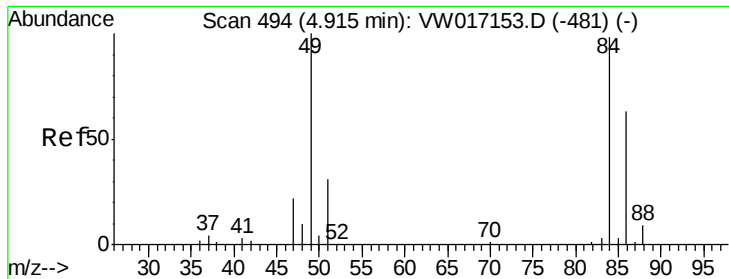
78 10.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





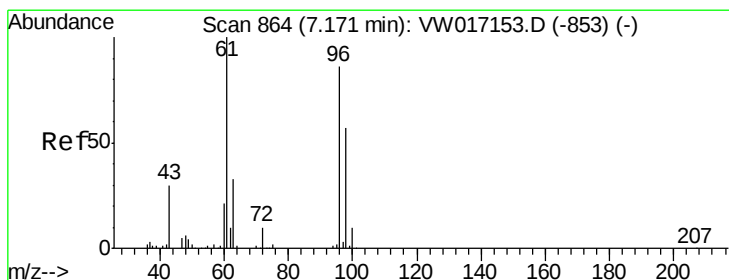
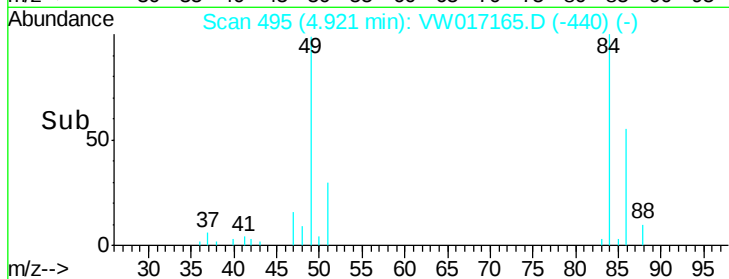
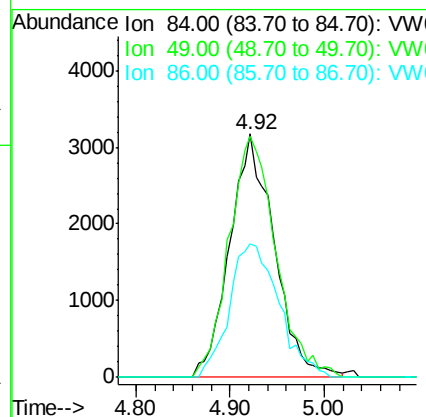
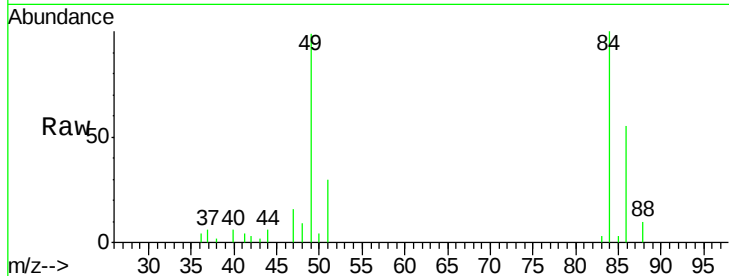
#16
Methvlene chloride
Concen: 1.524 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017165.D
Acq: 11 Nov 2020 15:48

Instrument :
MSVOA_W
ClientSampled :
BG4D8

Tot Ion	Ratio	Lower	Upper
84	100		
49	99.1	72.3	134.3
86	54.8	45.1	83.7

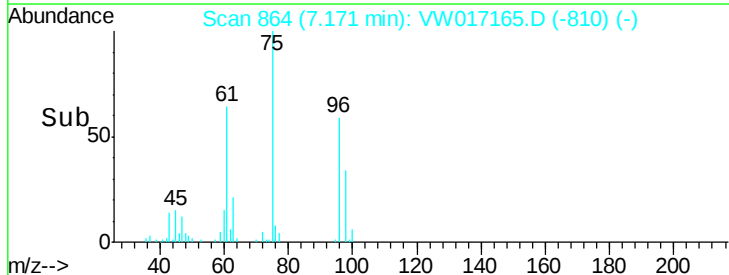
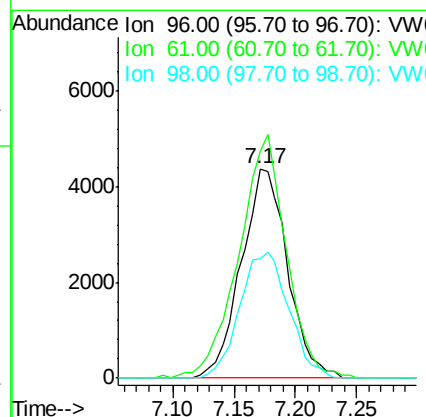
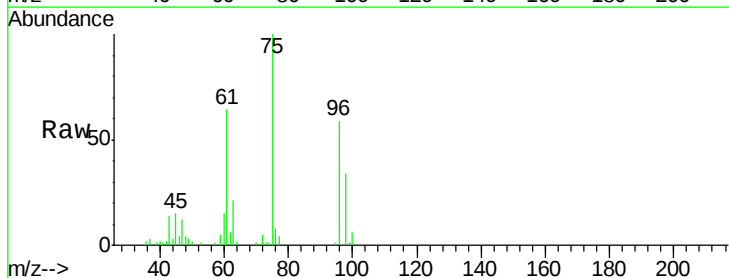
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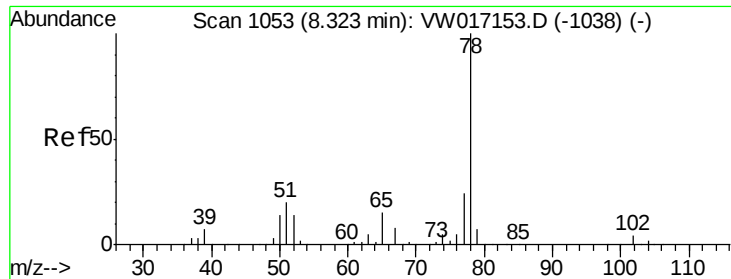
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#22
cis-1,2-Dichloroethene
Concen: 1.671 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017165.D
Acq: 11 Nov 2020 15:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	108.5	77.4	143.8
98	57.2	45.1	83.7





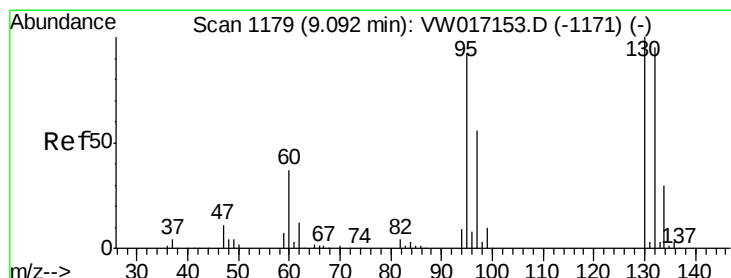
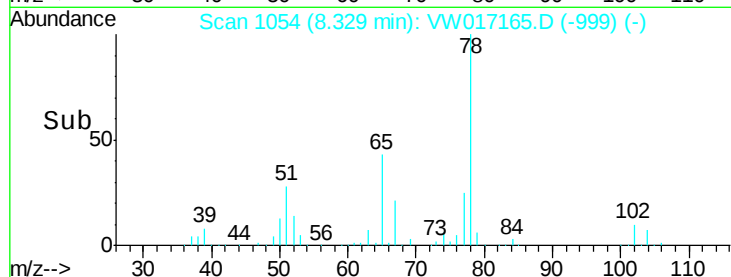
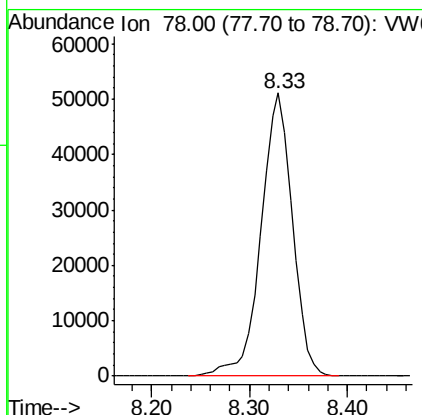
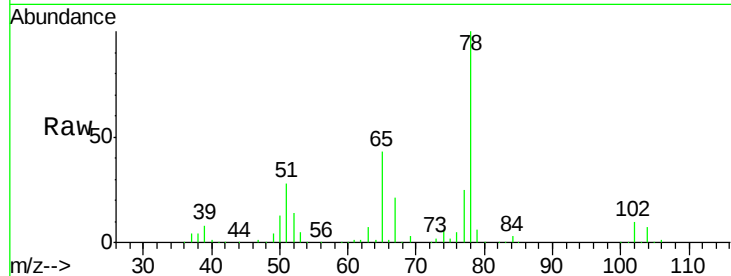
#34
Benzene
Concen: 6.111 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW017165.D
Acq: 11 Nov 2020 15:48

Instrument :
MSVOA_W
ClientSampleId :
BG4D8

Tgt Ion: 78 Resp: 114334

Manual Integrations
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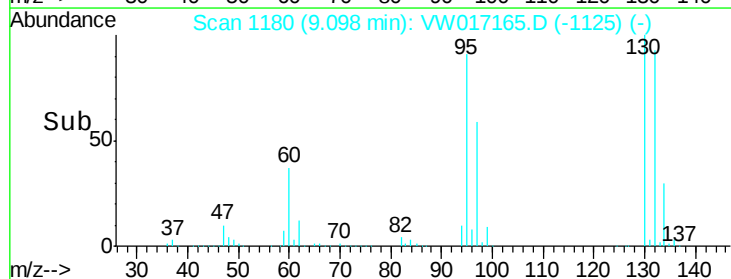
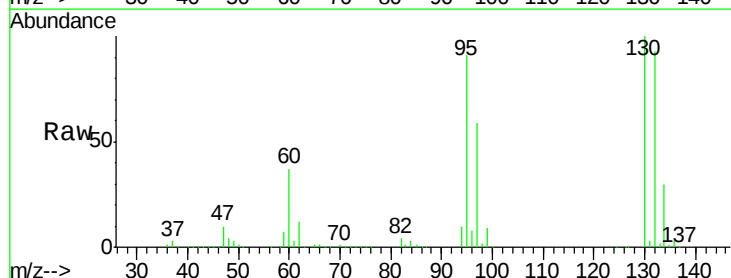
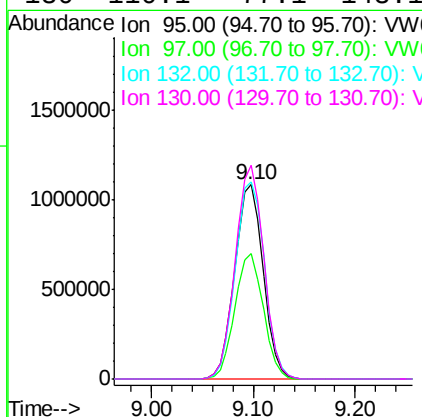
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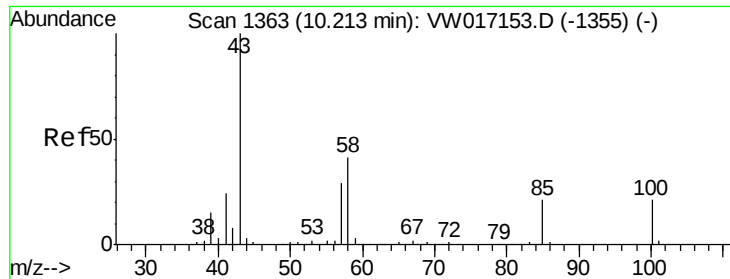


#35
Trichloroethene
Concen: 399.204 ug/L
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW017165.D
Acq: 11 Nov 2020 15:48

Tgt Ion: 95 Resp: 2092176

Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.0	83.6
132	104.7	73.7	136.9
130	110.1	77.1	143.1





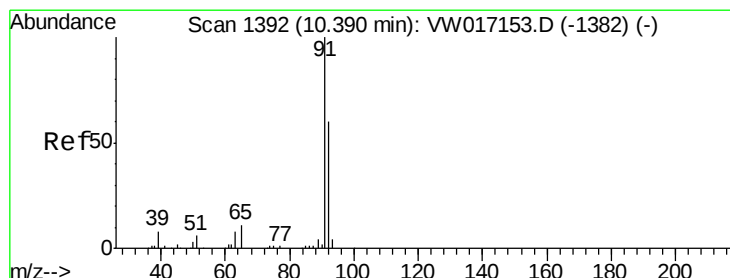
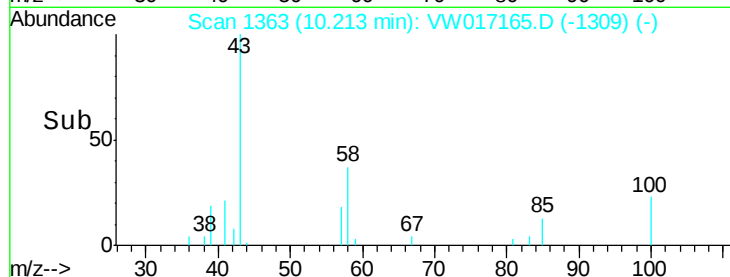
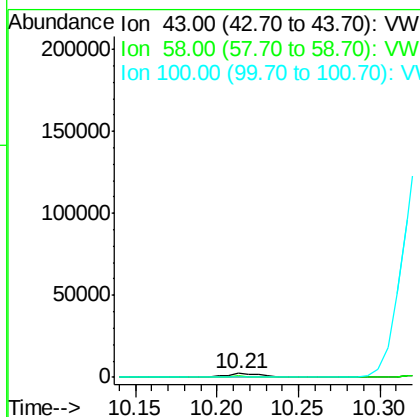
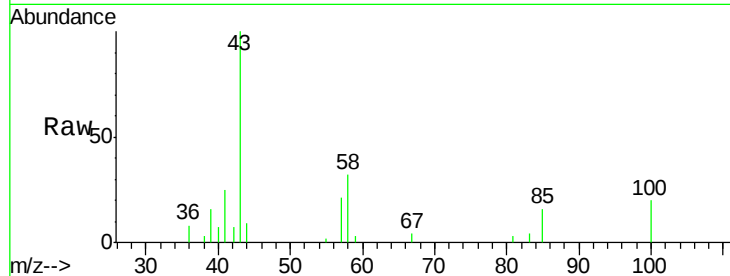
#43
4-Methyl-2-pentanone
Concen: 1.469 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017165.D
Acq: 11 Nov 2020 15:48

Instrument :
MSVOA_W
ClientSampleId :
BG4D8

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.7	35.0	52.6
100	19.8	16.6	24.8

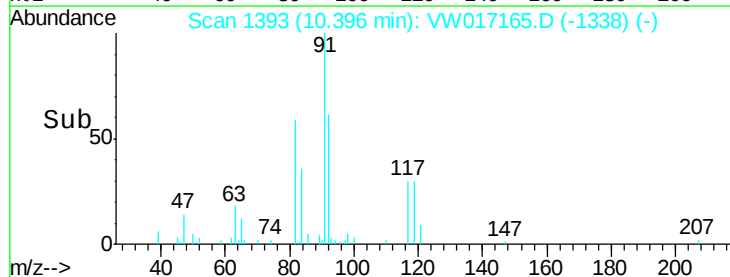
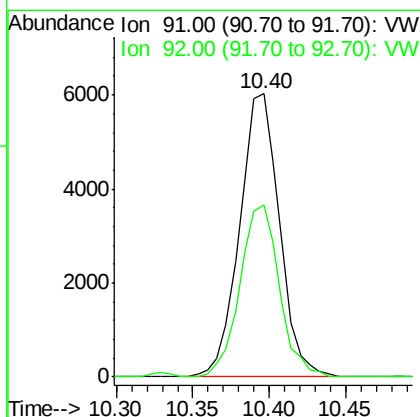
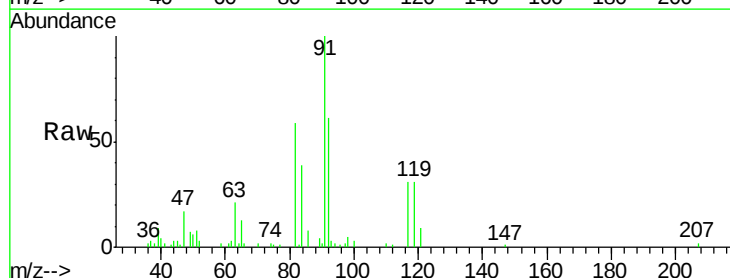
Manual Integrations
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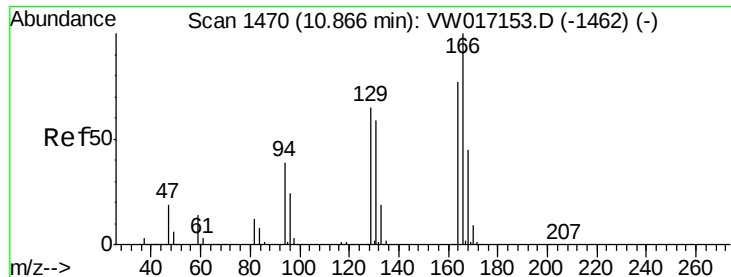
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#44
Toluene
Concen: 0.529 ug/L
RT: 10.40 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VW017165.D
Acq: 11 Nov 2020 15:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.7	41.4	76.8





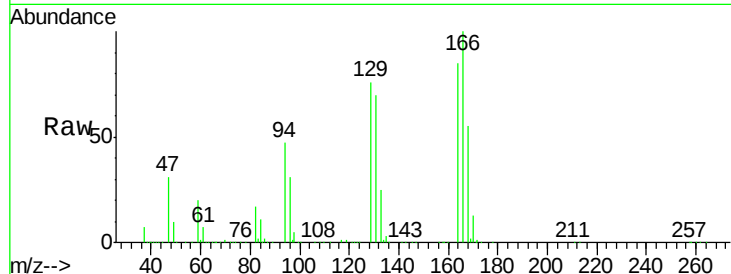
#47
Tetrachloroethene
Concen: 6177.055 ug/L m
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW017165.D
Acq: 11 Nov 2020 15:48

Instrument :
MSVOA_W
ClientSampleId :
BG4D8

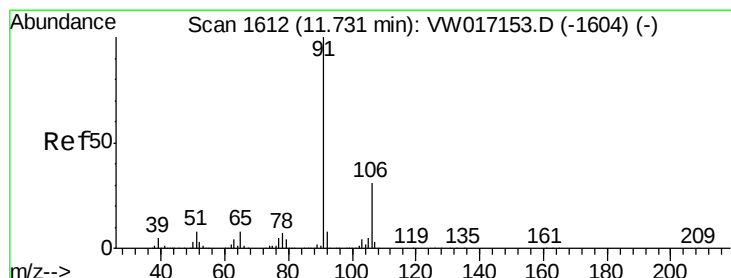
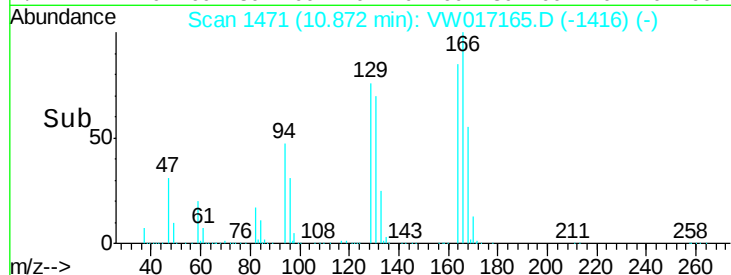
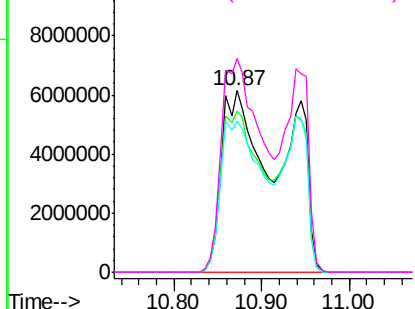
Tot Ion:164 Resp:29208122
Ion Ratio Lower Upper
164 100
129 89.2 62.9 116.7
131 83.1 63.3 117.5
166 117.8 92.0 170.8

Manual Integrations
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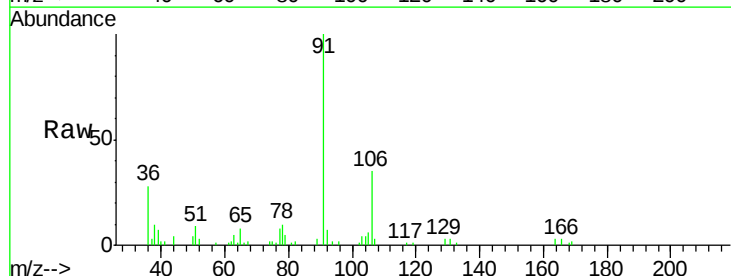


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

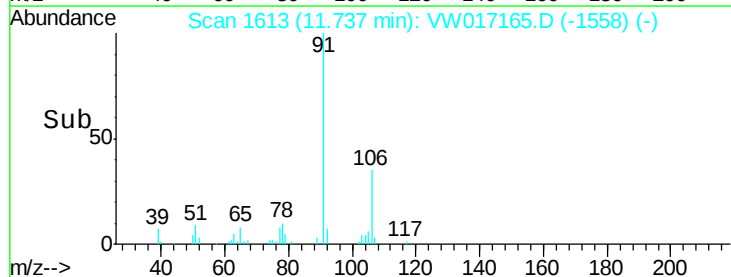
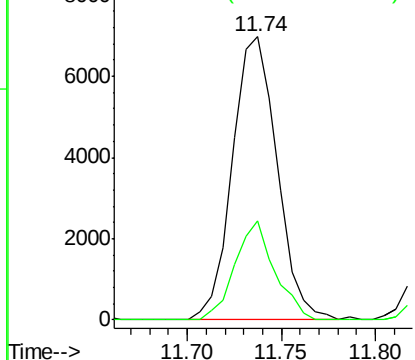


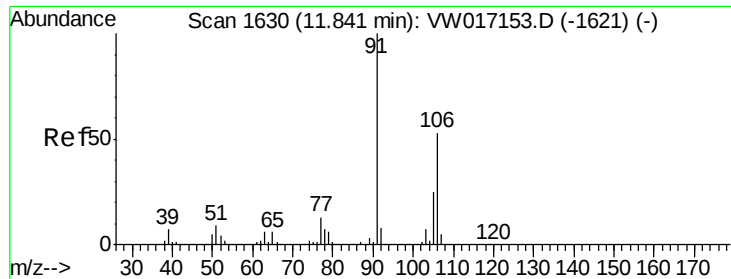
#53
Ethylbenzene
Concen: 0.499 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW017165.D
Acq: 11 Nov 2020 15:48

Tgt Ion: 91 Resp: 11467
Ion Ratio Lower Upper
91 100
106 34.9 22.9 42.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 0.833 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW017165.D

Acq: 11 Nov 2020 15:48

Instrument :

MSVOA_W

ClientSampled :

BG4D8

Tot Ion:106 Resp: 7496

Ion Ratio Lower Upper

106 100

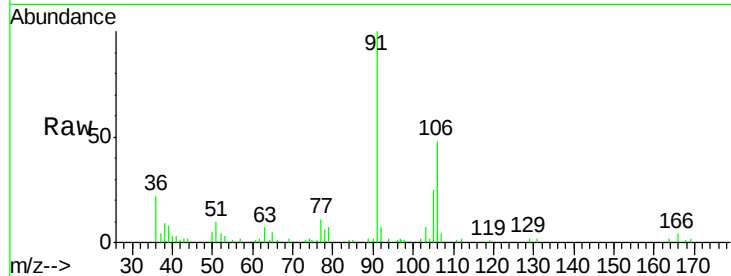
91 208.5 138.7 257.5

Manual Integrations

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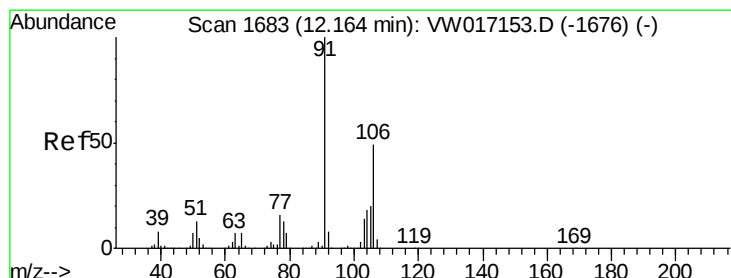
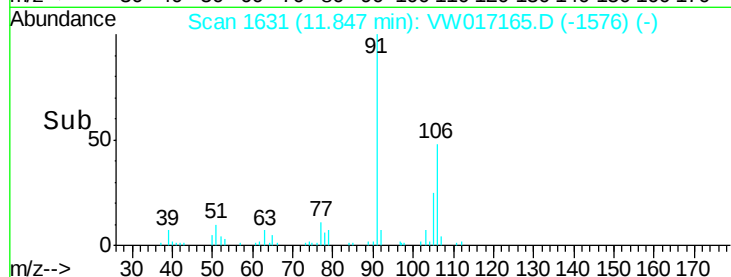
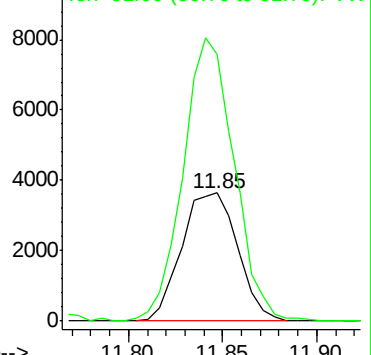
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.448 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW017165.D

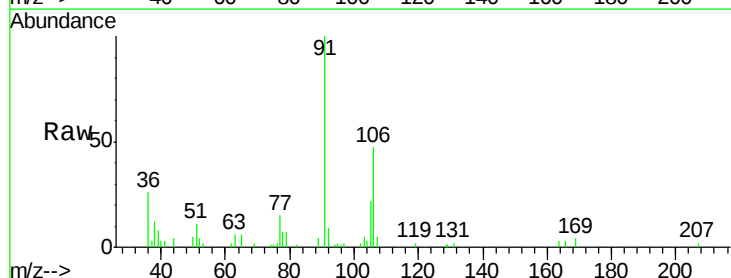
Acq: 11 Nov 2020 15:48

Tgt Ion:106 Resp: 3829

Ion Ratio Lower Upper

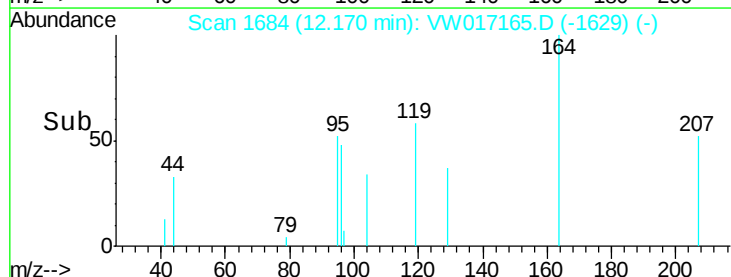
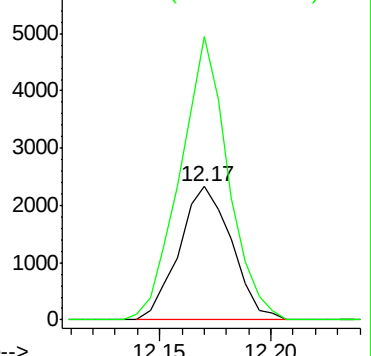
106 100

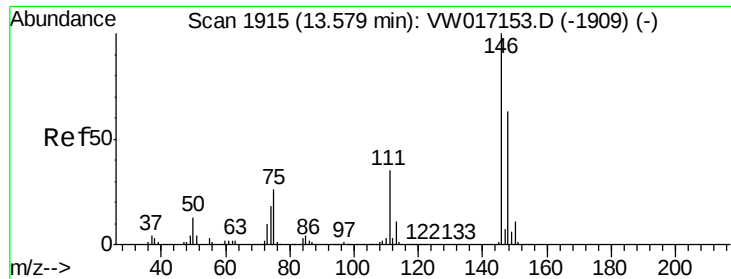
91 212.6 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#64

1,4-Dichlorobenzene

Concen: 1.481 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.01 min

Lab File: VW017165.D

Acq: 11 Nov 2020 15:48

Instrument :

MSVOA_W

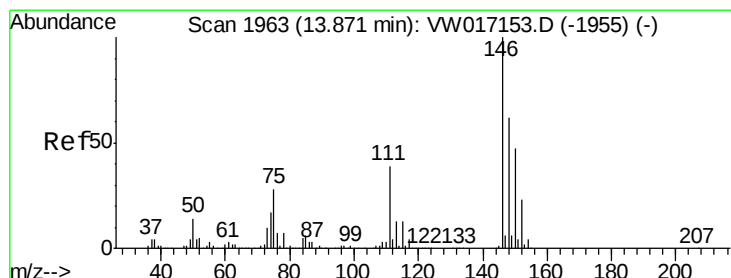
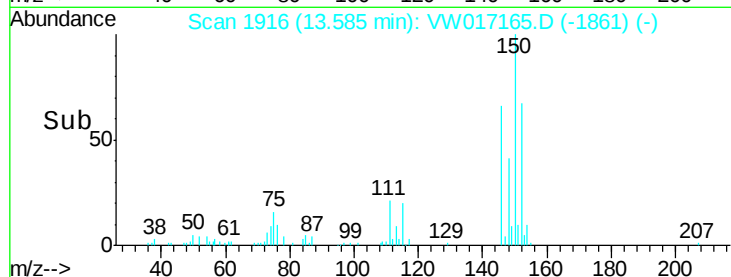
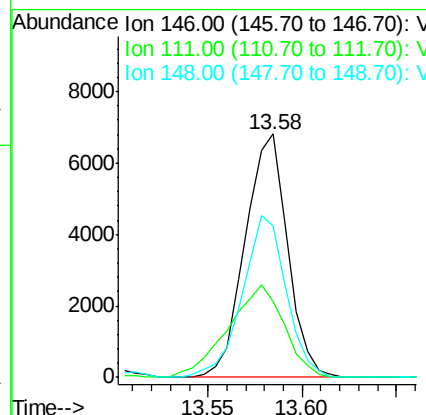
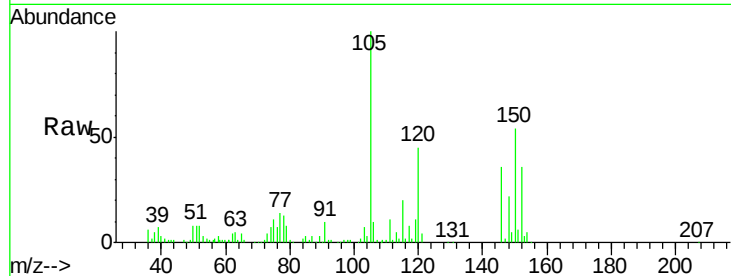
ClientSampled :

BG4D8

Tot Ion:	146	Resp:	10656
Ion Ratio	Lower	Upper	
146	100		
111	31.1	24.5	45.5
148	62.4	45.5	84.5

Manual Integrations
APPROVED

MMDadoda
11/13/2020 11:41:07 AM



#65

1,2-Dichlorobenzene

Concen: 1.287 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017165.D

Acq: 11 Nov 2020 15:48

Tgt Ion:	146	Resp:	8308
Ion Ratio	Lower	Upper	
146	100		
111	44.0	30.5	45.7
148	67.2	50.3	75.5

