

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061120\
 Data File : VW015591.D
 Acq On : 11 Jun 2020 15:51
 Operator : SY/VA
 Sample : L2959-08
 Misc : 3.32G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K2

Manual Integrations
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 6/12/2020 5:44:22 PM

Quant Time: Jun 12 06:37:30 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	8.85	114	321840	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	267551	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	90352	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	105036	35.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	142.44%
7) Chloroethane-d5	2.90	69	84820	28.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.68%
10) 1,1-Dichloroethene-d2	4.01	63	149917	20.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.44%
20) 2-Butanone-d5	7.08	46	42738	44.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.76%
24) Chloroform-d	7.65	84	183483	24.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	8.31	65	104273m	25.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.72%
29) Benzene-d6	8.28	84	370241	28.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.88%
33) 1,2-Dichloropropane-d6	9.27	67	107618	26.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.96%
37) Toluene-d8	10.33	98	325789	25.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.16%
38) trans-1,3-Dichloropropene-	10.58	79	42508	23.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.16%
39) 2-Hexanone-d5	10.93	63	33725	48.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	64680	21.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	66798	22.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	13148	17.662	ug/L	99
14) Carbon disulfide	4.38	76	2994	0.234	ug/L	95
16) Methylene chloride	4.92	84	11445	2.897	ug/L	96
21) 2-Butanone	7.18	43	5132	4.488	ug/L	82
44) Toluene	10.39	91	8001	0.491	ug/L	99
47) Tetrachloroethene	10.87	164	2216	0.696	ug/L	88
53) Ethylbenzene	11.73	91	18881	1.009	ug/L	99
54) m,p-Xylene	11.83	106	40192	5.722	ug/L	95
55) o-xylene	12.17	106	19946	2.992	ug/L	99
57) Isopropylbenzene	12.46	105	19637	1.057	ug/L #	51
64) 1,4-Dichlorobenzene	13.58	146	6148	1.135	ug/L #	52

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

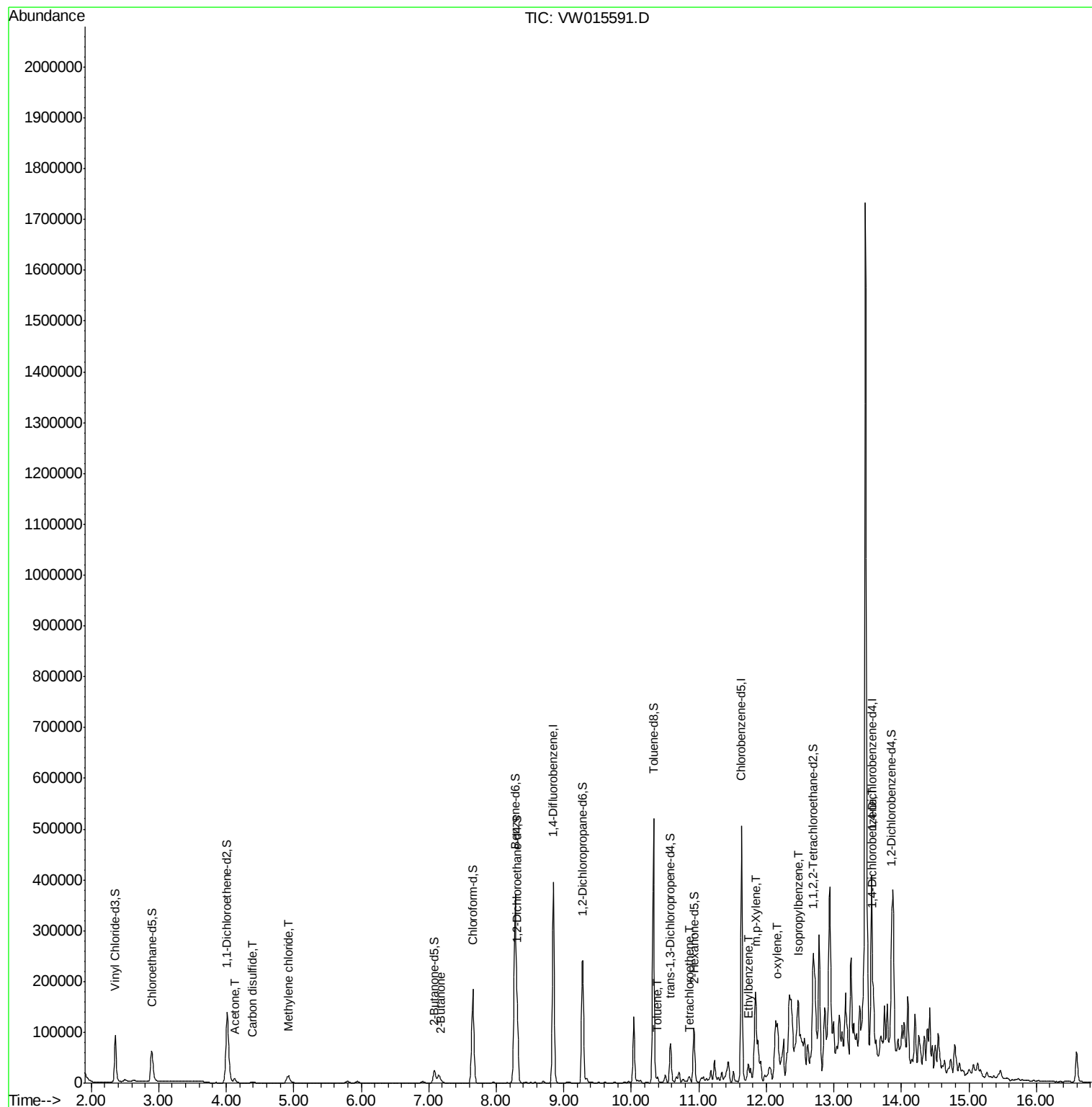
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061120\
Data File : VW015591.D
Acq On : 11 Jun 2020 15:51
Operator : SY/VA
Sample : L2959-08
Misc : 3.32G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

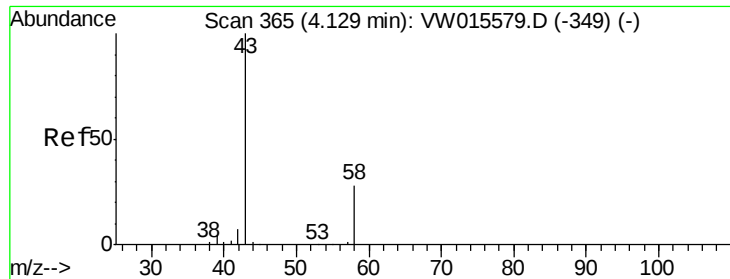
Instrument :
MSVOA_W
ClientSampleId :
BG2K2

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Quant Time: Jun 12 06:37:30 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: 17.662 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015591.D

Acq: 11 Jun 2020 15:51

Instrument :

MSVOA_W

ClientSampled :

BG2K2

Tot Ion: 43 Resp: 13148

Ion Ratio Lower Upper

43 100

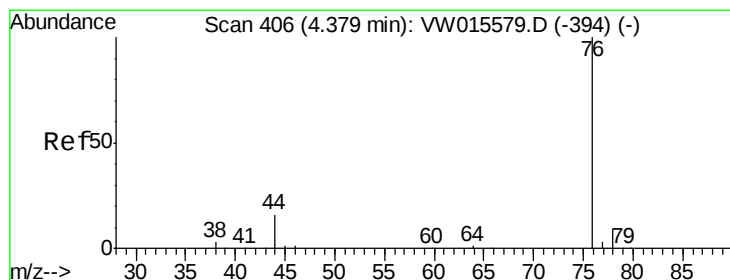
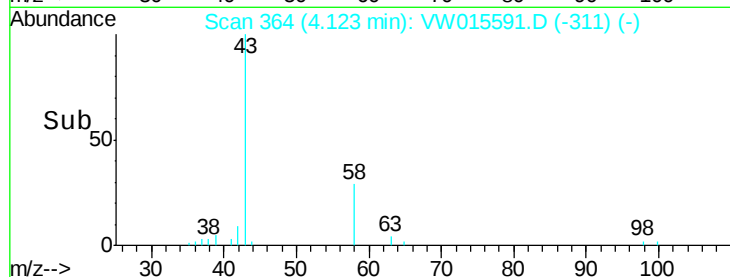
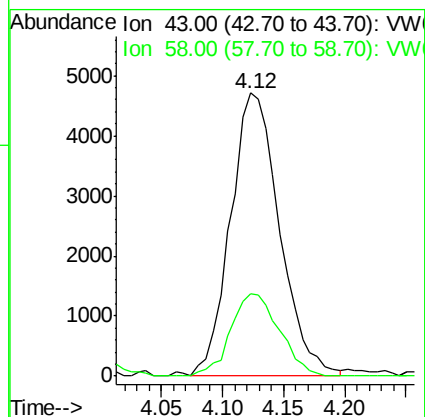
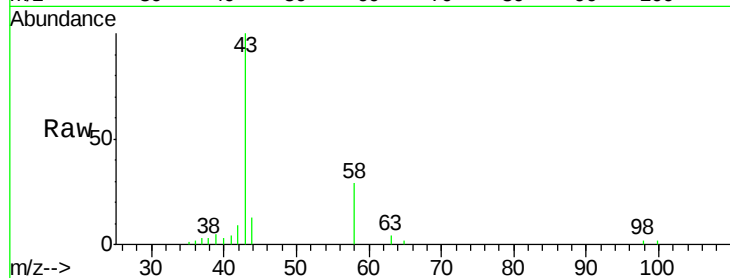
58 28.9 0.0 56.8

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#14

Carbon disulfide

Concen: 0.234 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015591.D

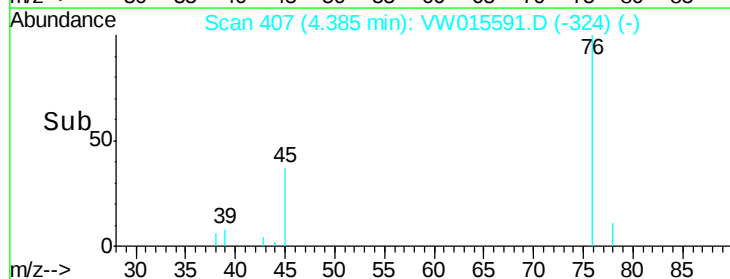
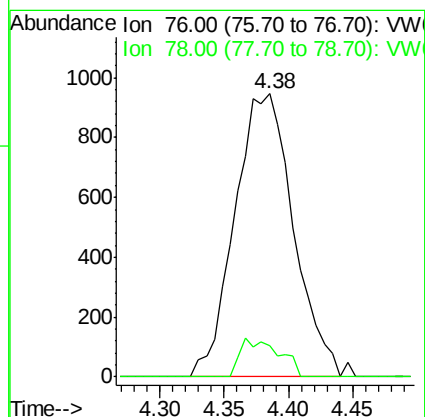
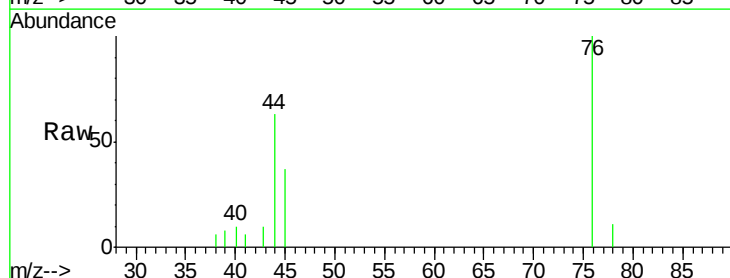
Acq: 11 Jun 2020 15:51

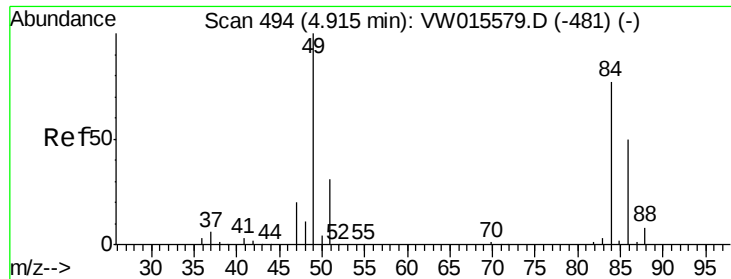
Tgt Ion: 76 Resp: 2994

Ion Ratio Lower Upper

76 100

78 10.9 7.3 10.9





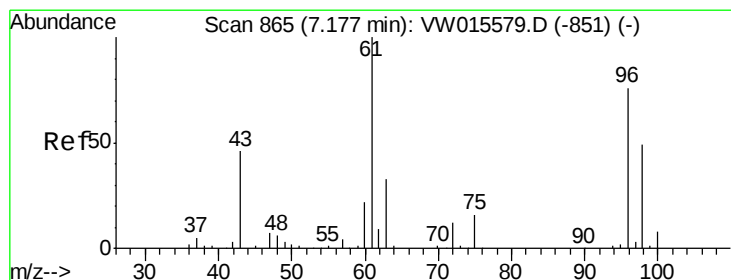
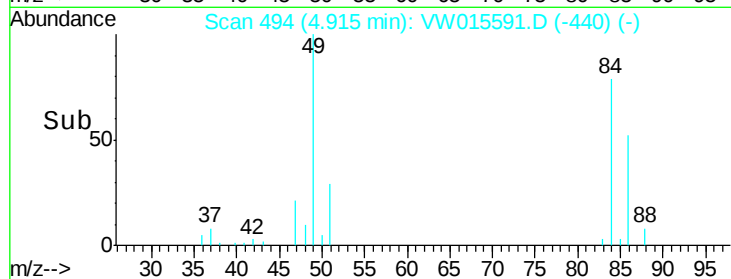
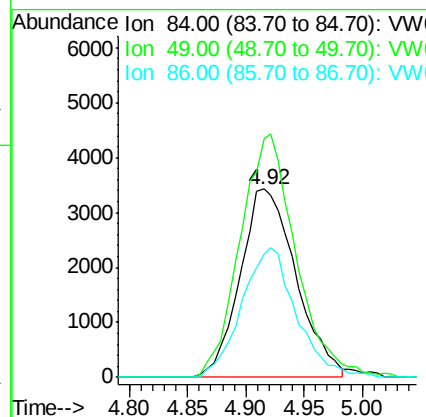
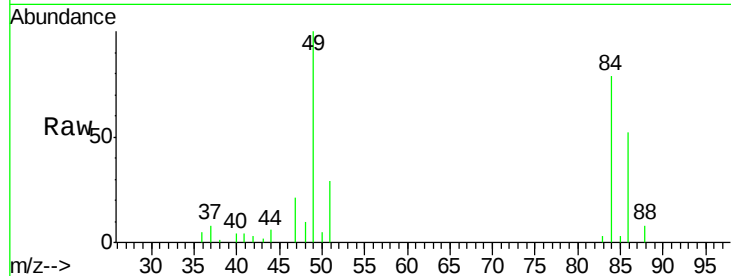
#16
Methylene chloride
Concen: 2.897 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015591.D
Acq: 11 Jun 2020 15:51

Instrument :
MSVOA_W
ClientSampleId :
BG2K2

Tot Ion	Ratio	Lower	Upper
84	100		
49	126.9	93.0	172.8
86	65.5	44.7	83.1

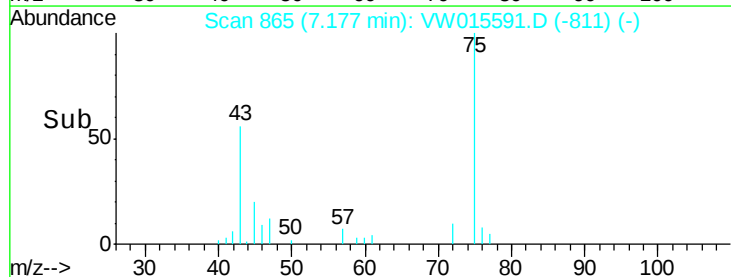
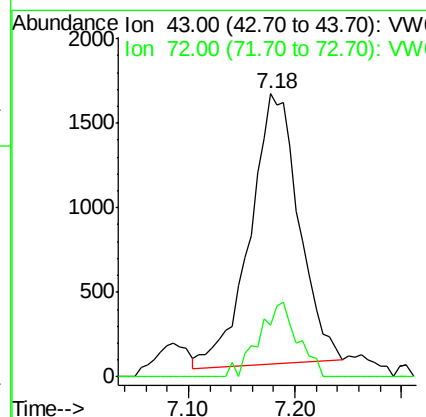
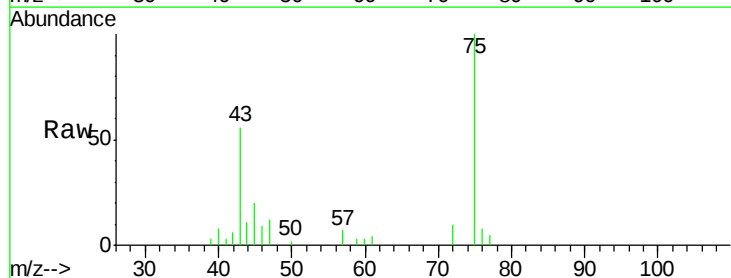
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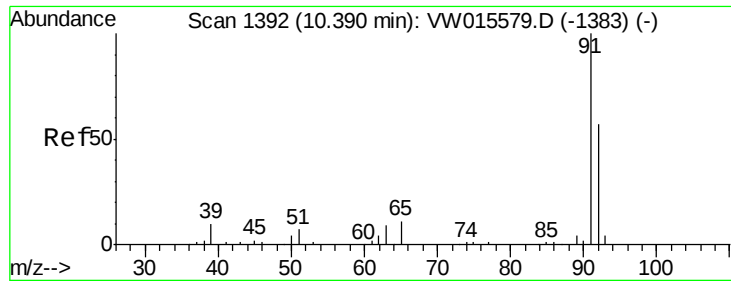
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#21
2-Butanone
Concen: 4.488 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW015591.D
Acq: 11 Jun 2020 15:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.6	13.3	39.9





#44

Toluene

Concen: 0.491 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015591.D

Acq: 11 Jun 2020 15:51

Instrument :

MSVOA_W

ClientSampled :

BG2K2

Tot Ion: 91 Resp: 8001

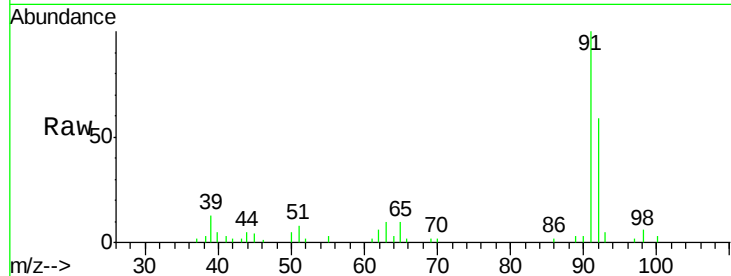
Ion Ratio Lower Upper

91 100

92 59.2 41.7 77.5

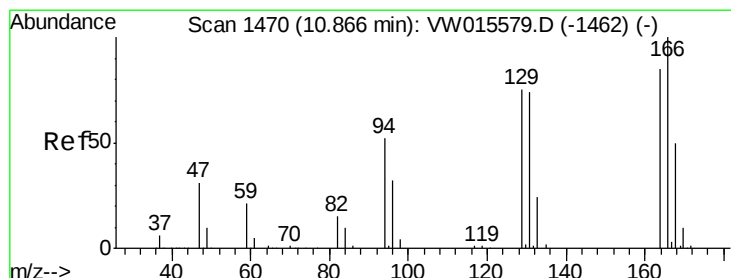
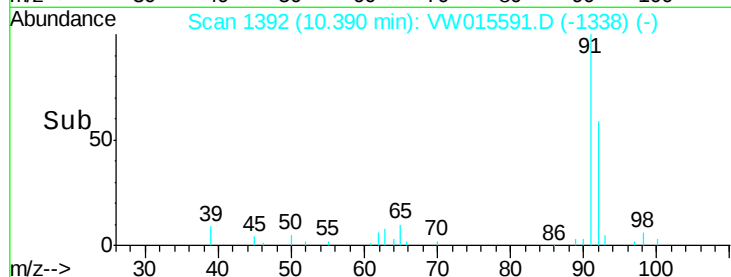
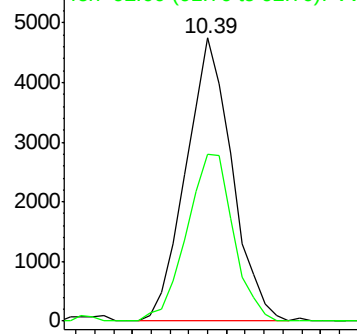
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#47

Tetrachloroethene

Concen: 0.696 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW015591.D

Acq: 11 Jun 2020 15:51

Tgt Ion:164 Resp: 2216

Ion Ratio Lower Upper

164 100

129 82.2 66.3 123.1

131 80.6 65.1 120.9

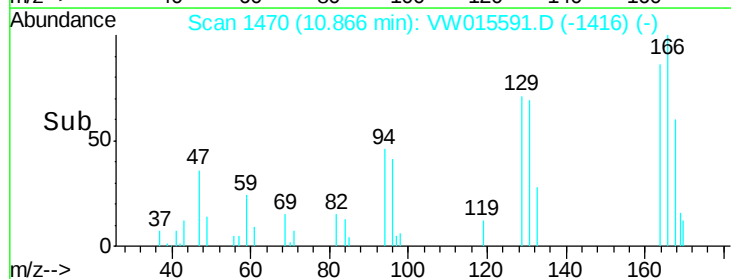
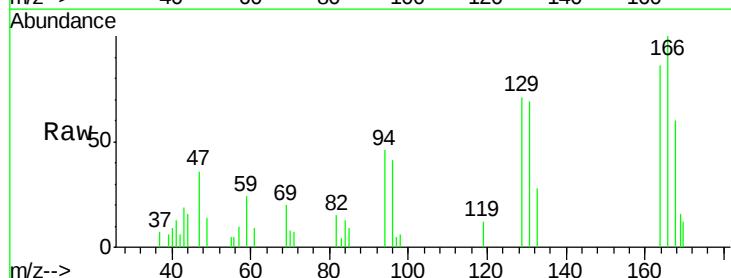
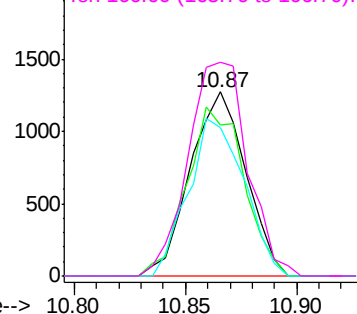
166 116.2 90.8 168.6

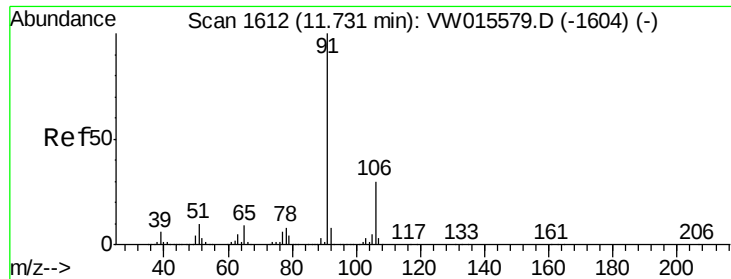
Abundance Ion 164.00 (163.70 to 164.70): V

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





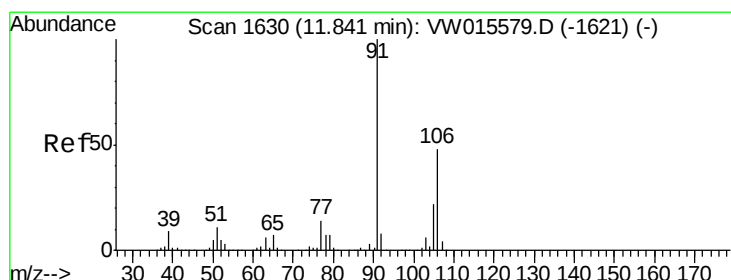
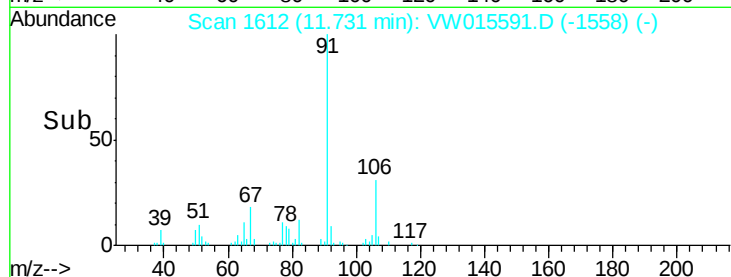
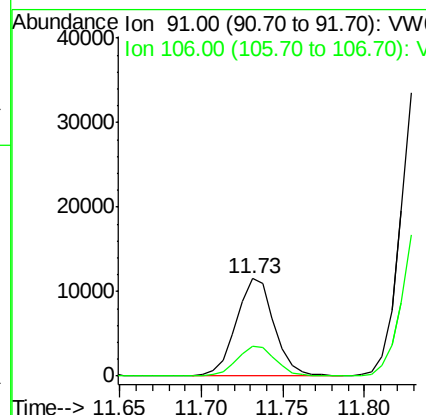
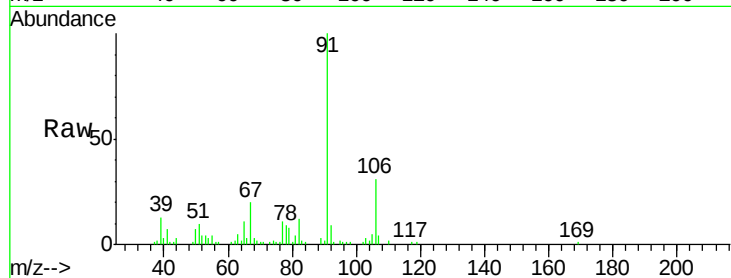
#53
Ethylbenzene
Concen: 1.009 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015591.D
Acq: 11 Jun 2020 15:51

Instrument :
MSVOA_W
ClientSampled :
BG2K2

Tot Ion	91	Resp	18881
Ion Ratio	Lower	Upper	
91	100		
106	30.9	21.3	39.6

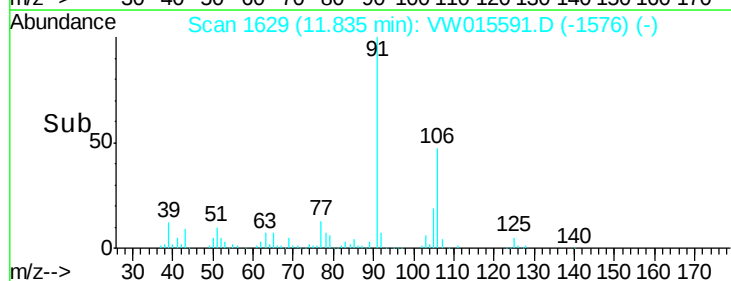
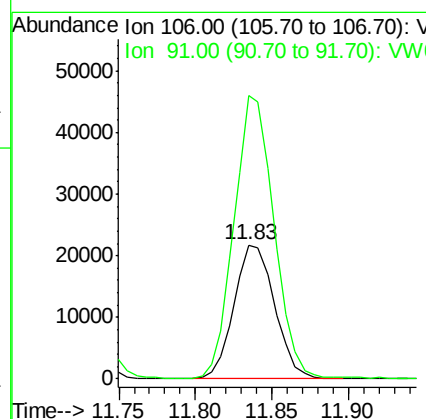
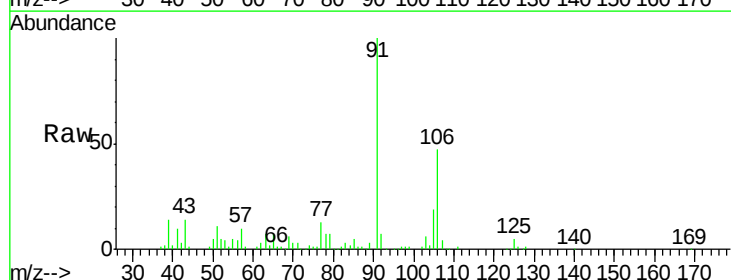
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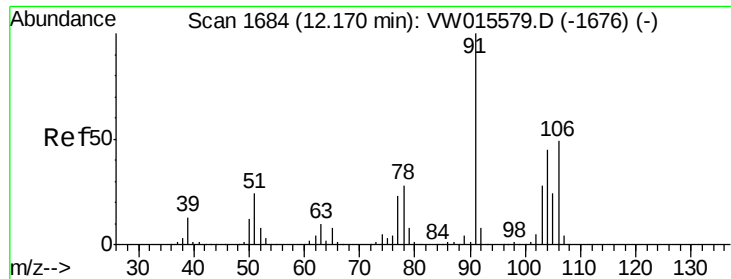
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#54
m,p-Xylene
Concen: 5.722 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015591.D
Acq: 11 Jun 2020 15:51

Tgt Ion	106	Resp	40192
Ion Ratio	Lower	Upper	
106	100		
91	211.8	142.6	264.8





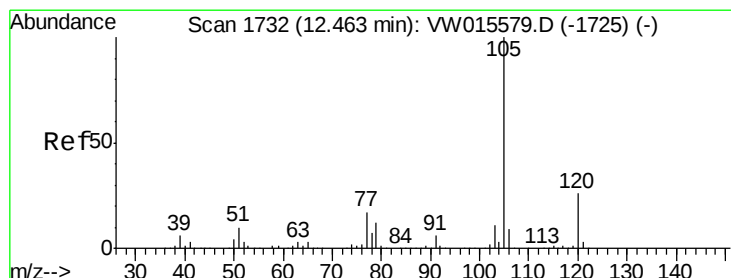
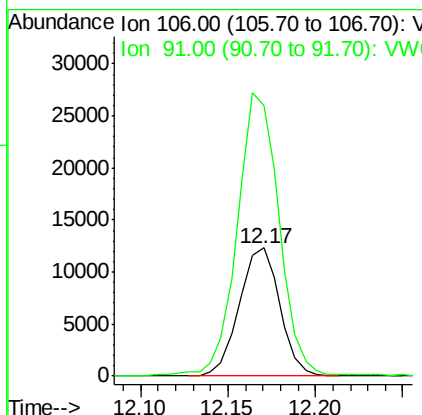
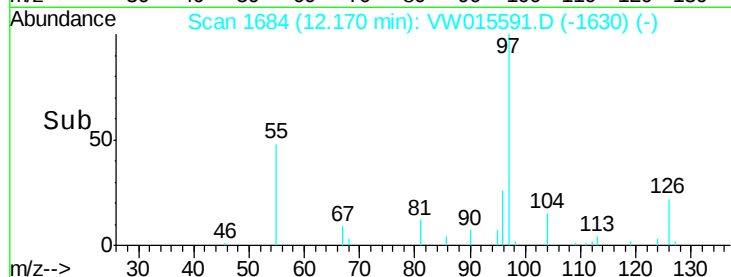
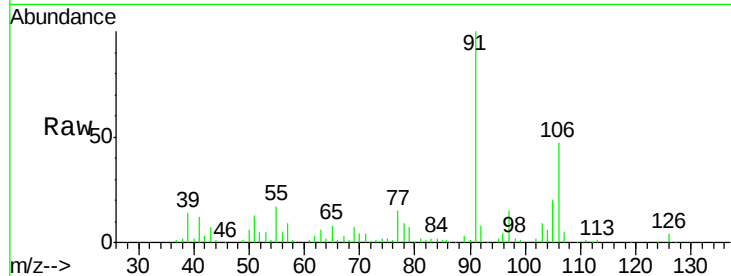
#55
o-xylene
Concen: 2.992 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015591.D
Acq: 11 Jun 2020 15:51

Instrument :
MSVOA_W
ClientSampled :
BG2K2

Tot Ion:106 Resp: 19946
Ion Ratio Lower Upper
106 100
91 211.3 149.0 276.6

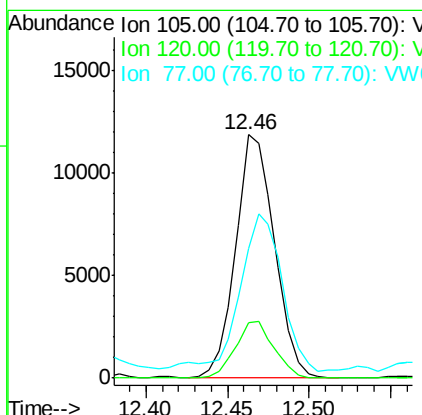
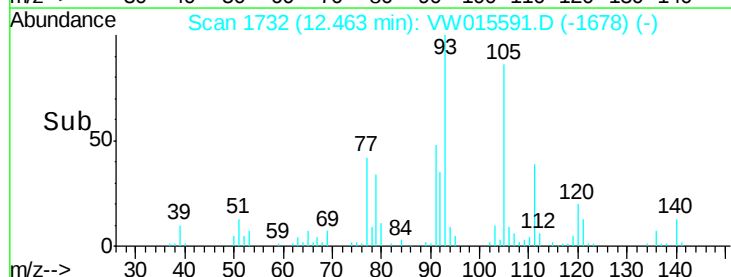
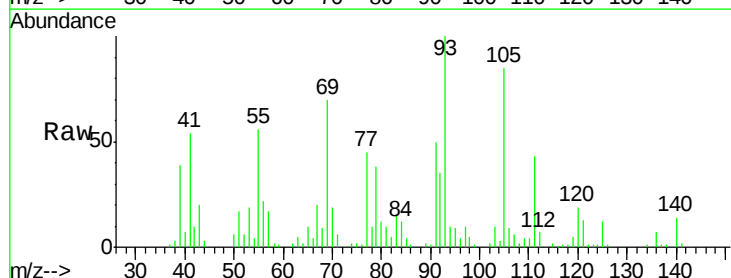
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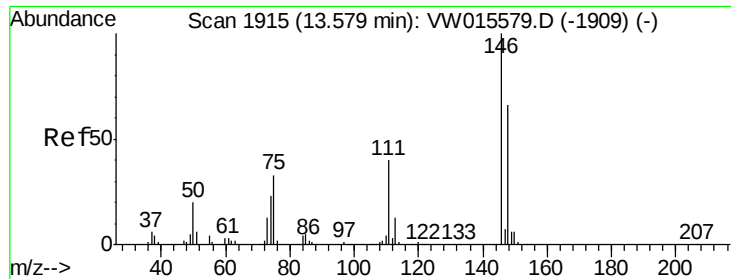
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#57
Isopropylbenzene
Concen: 1.057 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW015591.D
Acq: 11 Jun 2020 15:51

Tgt Ion:105 Resp: 19637
Ion Ratio Lower Upper
105 100
120 22.9 21.0 31.4
77 67.0 13.0 19.6#





#64
 1,4-Dichlorobenzene
 Concen: 1.135 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015591.D
 Acq: 11 Jun 2020 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K2

Tot Ion	Ratio	Lower	Upper
146	100		
111	113.9	28.1	52.1#
148	63.3	43.3	80.3

Manual Integrations
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