

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\
 Data File : VW017130.D
 Acq On : 10 Nov 2020 11:16
 Operator : SY/VA
 Sample : L4659-13
 Misc : 5.90G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4B2

Manual Integrations
 APPROVED

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 11/12/2020 1:42:56 PM

Quant Time: Nov 11 05:52:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 11 05:30:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	489024	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	439204	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	192632	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	144191	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.64%
7) Chloroethane-d5	2.89	69	116443	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.12%
10) 1,1-Dichloroethene-d2	4.01	63	194789	17.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.72%
20) 2-Butanone-d5	7.08	46	48608	35.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.58%
24) Chloroform-d	7.65	84	273895	23.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	8.31	65	131391	23.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.60%
29) Benzene-d6	8.27	84	553066	24.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.92%
33) 1,2-Dichloropropane-d6	9.27	67	150785	24.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.48%
37) Toluene-d8	10.32	98	535503	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.56%
38) trans-1,3-Dichloropropene-	10.58	79	59903	21.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.92%
39) 2-Hexanone-d5	10.93	63	38663	35.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	107688	19.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	168821	24.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.52%

Target Compounds

					Ovalue
13) Acetone	4.12	43	6913	7.495 ug/L	96
14) Carbon disulfide	4.39	76	9474	0.574 ug/L	100
16) Methylene chloride	4.92	84	7756m	1.176 ug/L	
17) Methyl tert-butyl Ether	5.43	73	10541	1.422 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	2433	0.366 ug/L	98
34) Benzene	8.32	78	106481	4.617 ug/L	100
35) Trichloroethene	9.09	95	48891	7.568 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	4958	1.491 ug/L #	92
44) Toluene	10.39	91	5989	0.236 ug/L	90
47) Tetrachloroethene	10.87	164	134311	23.043 ug/L	95

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

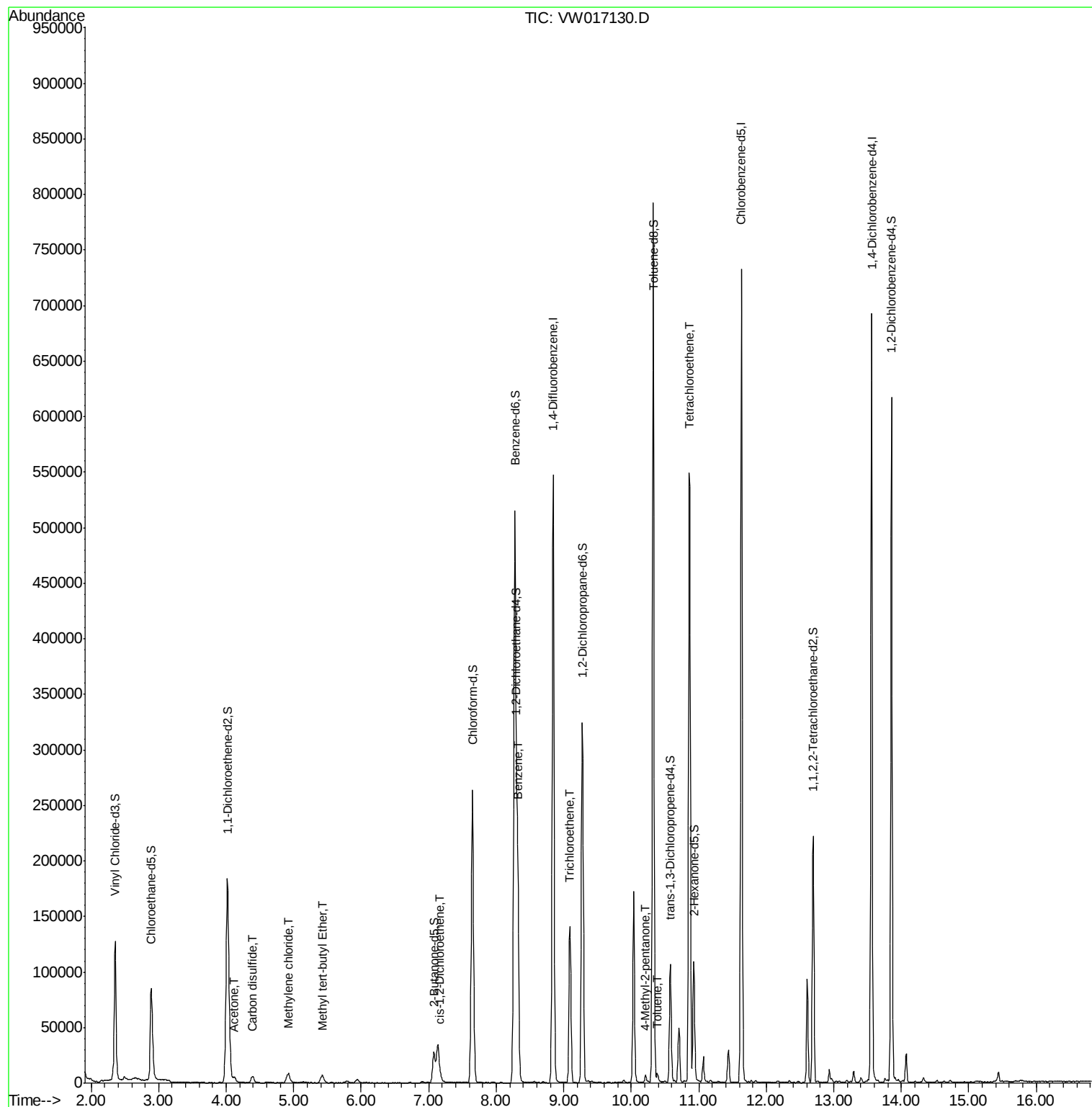
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111020\
Data File : VW017130.D
Acq On : 10 Nov 2020 11:16
Operator : SY/VA
Sample : L4659-13
Misc : 5.90G/10ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

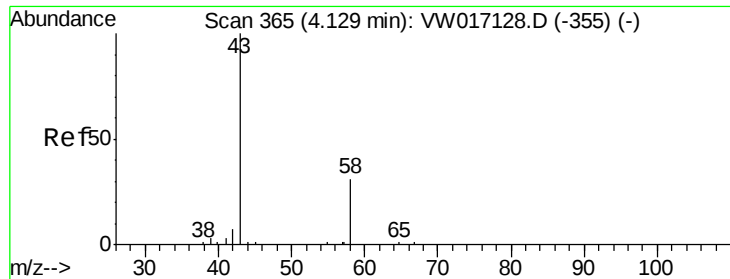
Instrument :
MSVOA_W
ClientSampleId :
BG4B2

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Quant Time: Nov 11 05:52:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 11 05:30:56 2020
Response via : Initial Calibration





#13

Acetone

Concen: 7.495 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW017130.D

Acq: 10 Nov 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

BG4B2

Tot Ion: 43 Resp: 6913

Ion Ratio Lower Upper

43 100

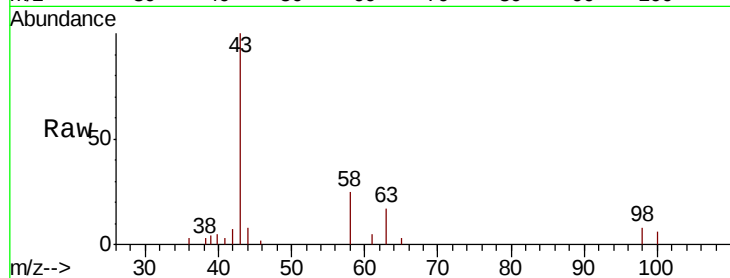
58 36.8 0.0 69.2

Manual Integrations

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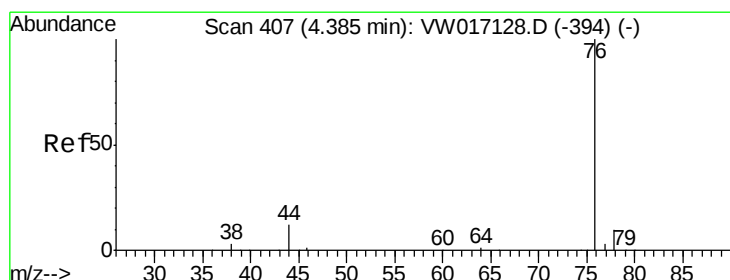
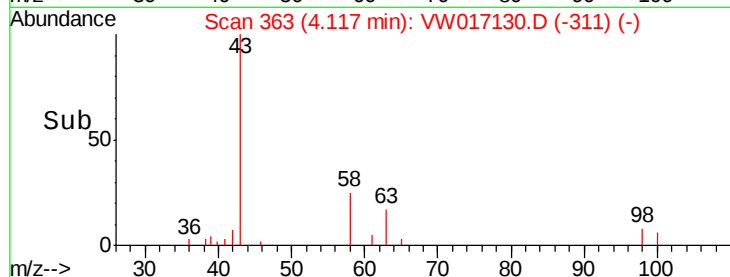
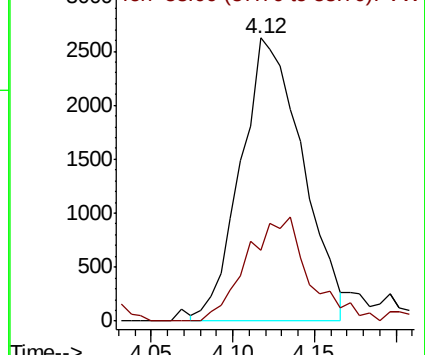
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.574 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017130.D

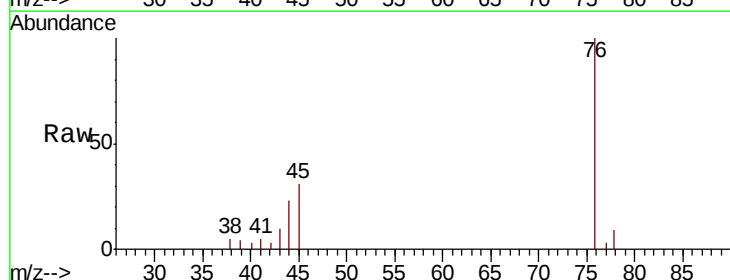
Acq: 10 Nov 2020 11:16

Tgt Ion: 76 Resp: 9474

Ion Ratio Lower Upper

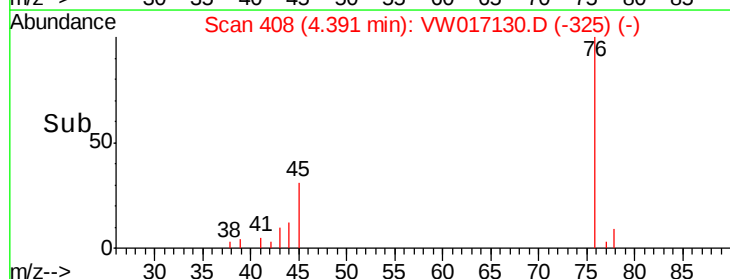
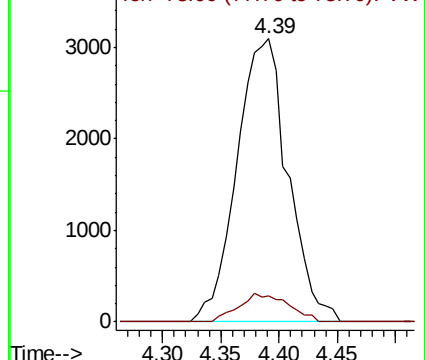
76 100

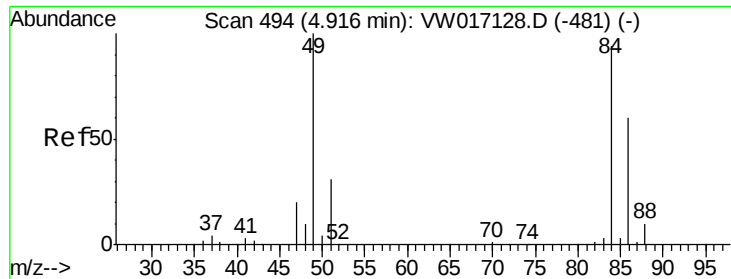
78 9.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





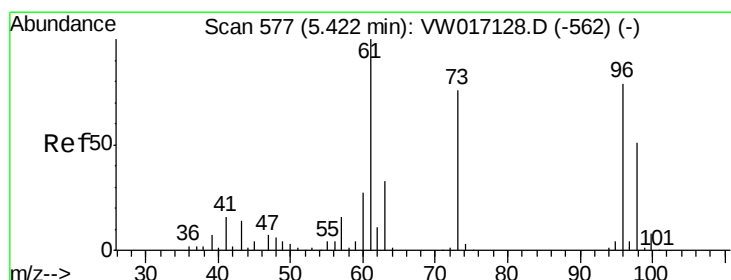
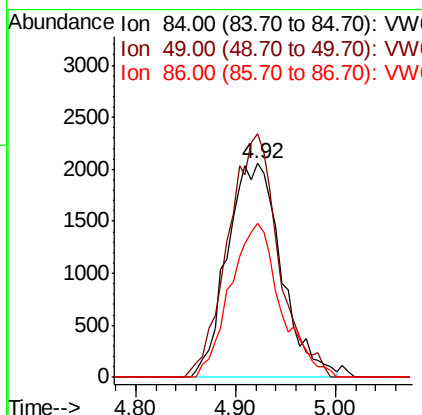
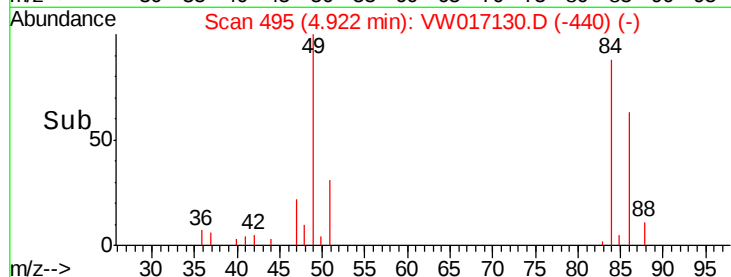
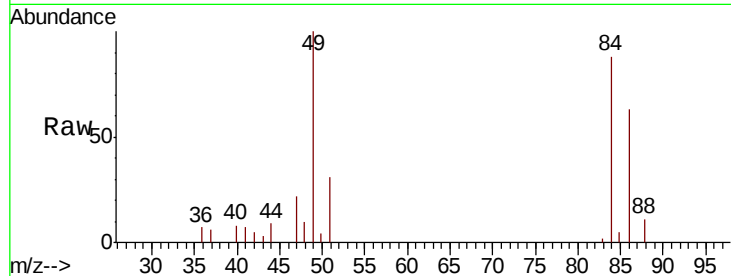
#16
Methylene chloride
Concen: 1.176 ug/L m
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017130.D
Acq: 10 Nov 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
BG4B2

Tot Ion: 84 Resp: 7756
Ion Ratio Lower Upper
84 100
49 113.8 72.3 134.3
86 71.9 45.1 83.7

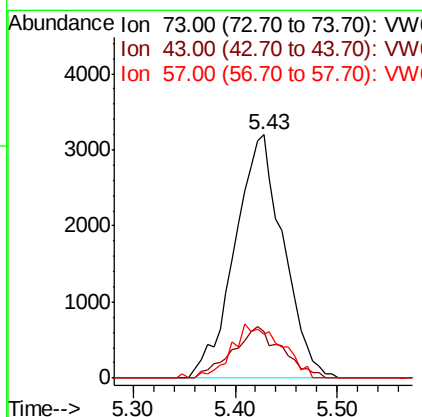
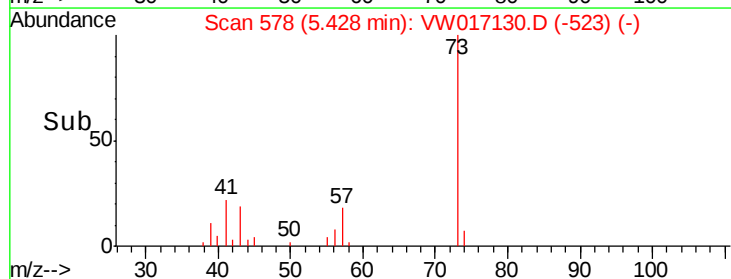
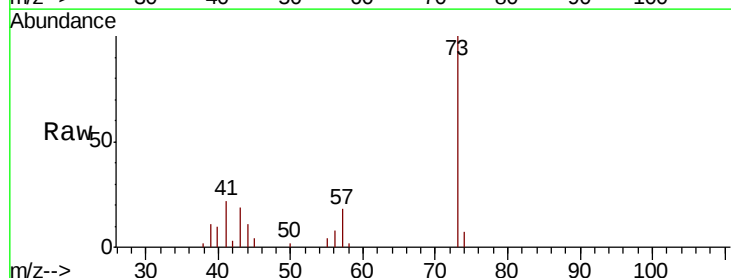
Manual Integrations
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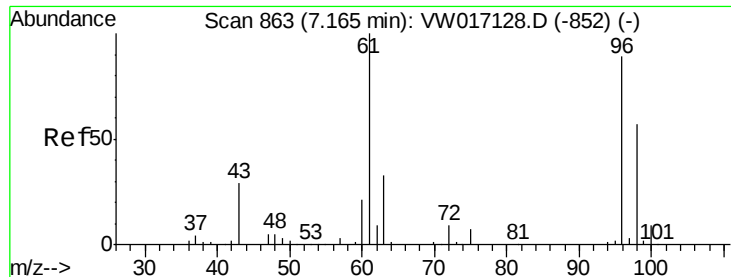
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#17
Methyl tert-butyl Ether
Concen: 1.422 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017130.D
Acq: 10 Nov 2020 11:16

Tgt Ion: 73 Resp: 10541
Ion Ratio Lower Upper
73 100
43 15.3 14.5 21.7
57 22.6 16.3 24.5





#22

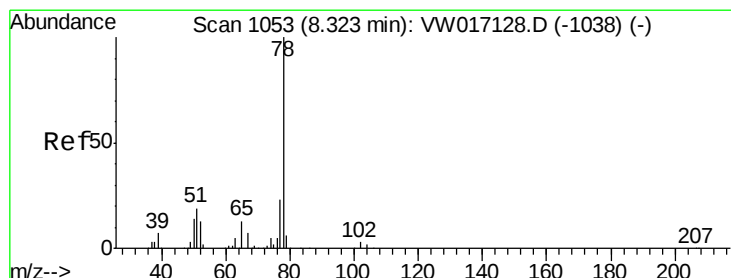
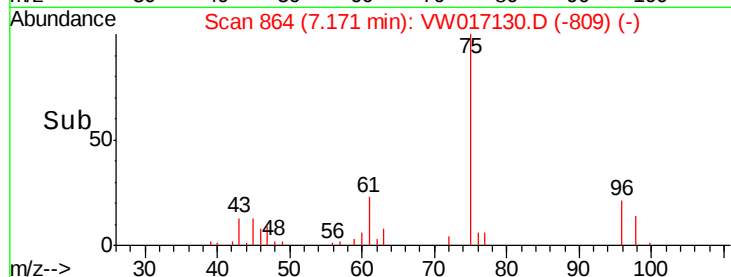
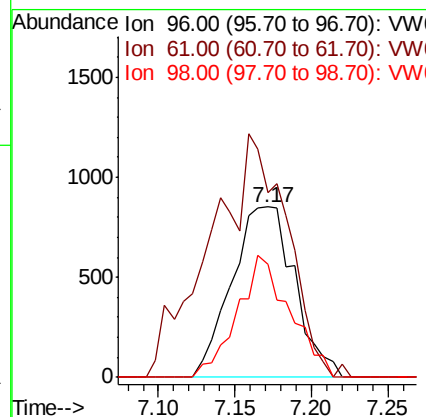
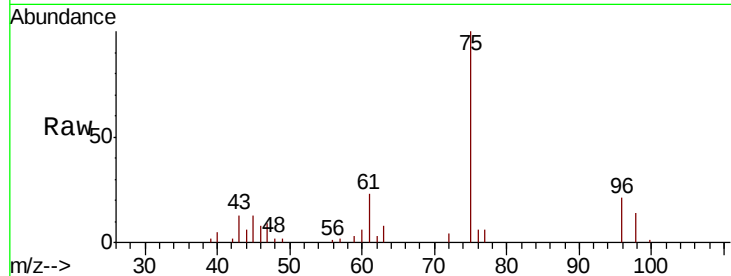
cis-1,2-Dichloroethene
Concen: 0.366 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW017130.D
Acq: 10 Nov 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
BG4B2

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	108.1	77.4	143.8	
98	66.0	45.1	83.7	

Manual Integrations
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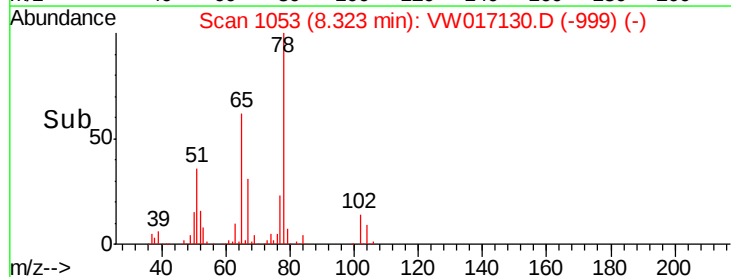
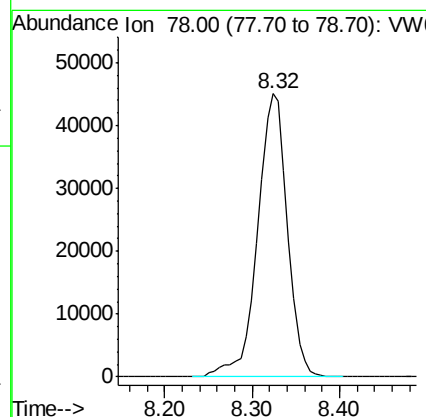
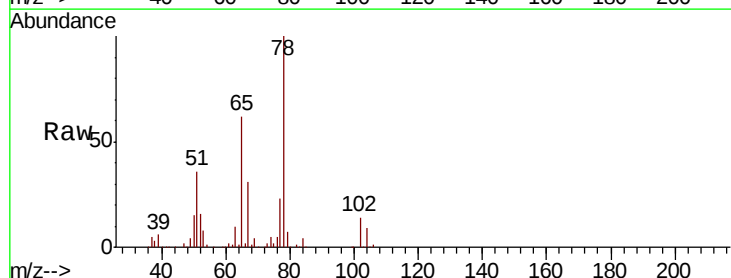
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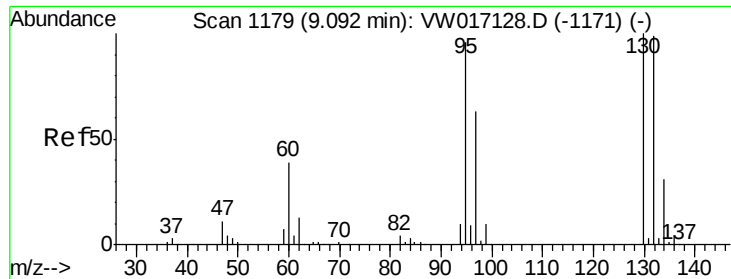


#34

Benzene
Concen: 4.617 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW017130.D
Acq: 10 Nov 2020 11:16

Tgt Ion: 78 Resp: 106481





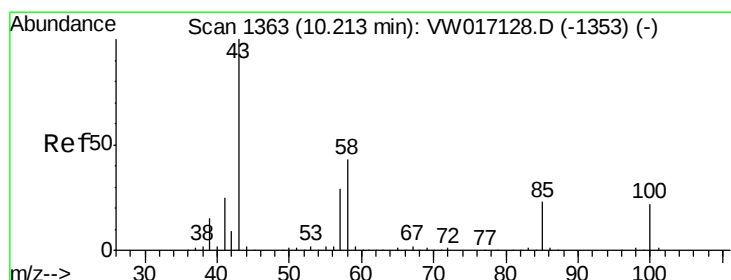
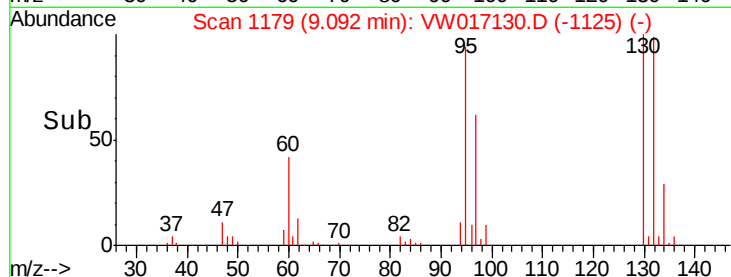
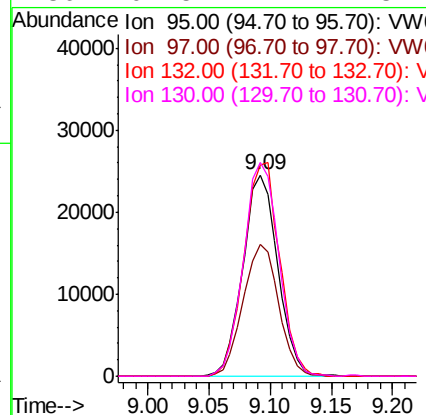
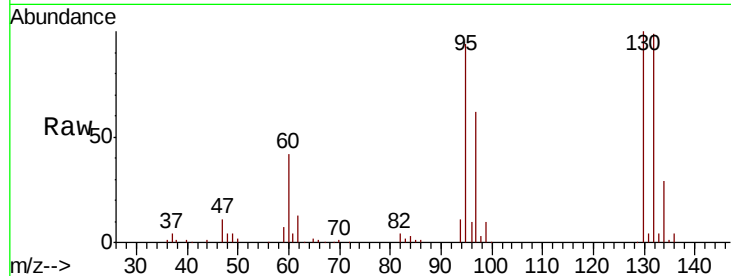
#35
 Trichloroethene
 Concen: 7.568 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017130.D
 Acq: 10 Nov 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4B2

Tot Ion	Ratio	Lower	Upper
95	100		
97	66.4	45.0	83.6
132	108.4	73.7	136.9
130	107.5	77.1	143.1

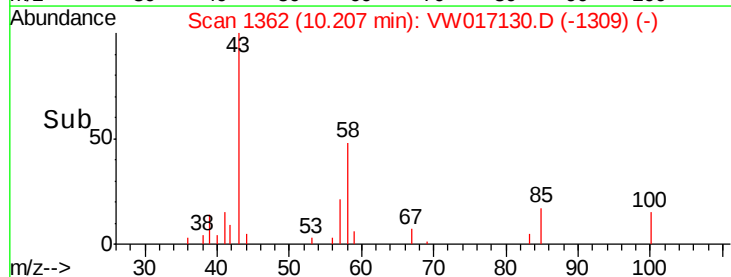
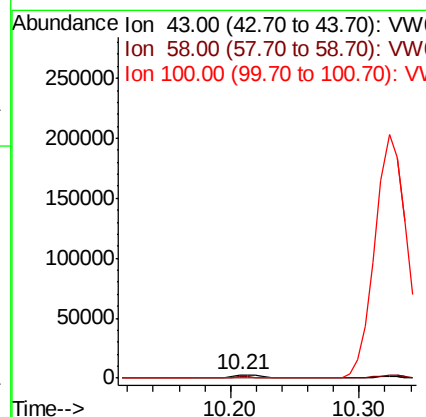
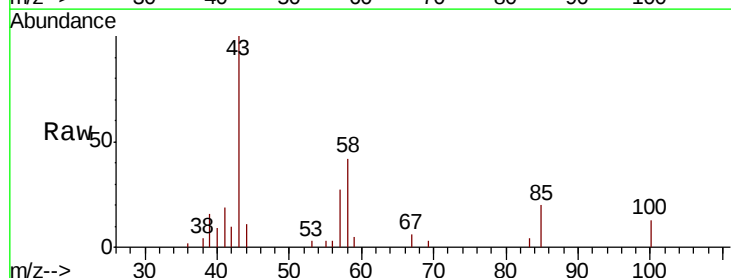
Manual Integrations
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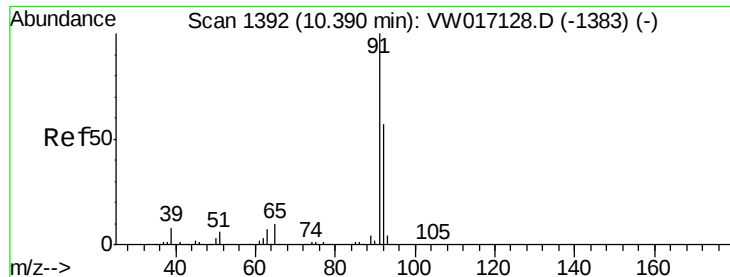
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#43
 4-Methyl-2-pentanone
 Concen: 1.491 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW017130.D
 Acq: 10 Nov 2020 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.4	35.0	52.6
100	14.3	16.6	24.8#





#44

Toluene

Concen: 0.236 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017130.D

Acq: 10 Nov 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

BG4B2

Tot Ion: 91 Resp: 5989

Ion Ratio Lower Upper

91 100

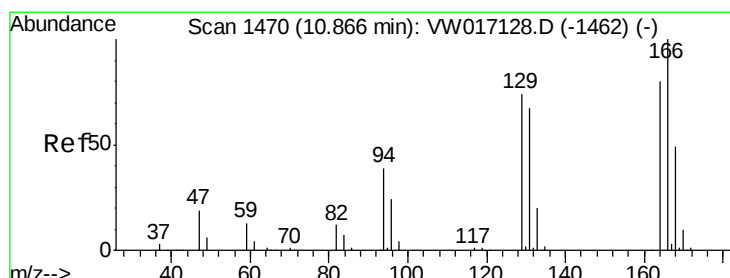
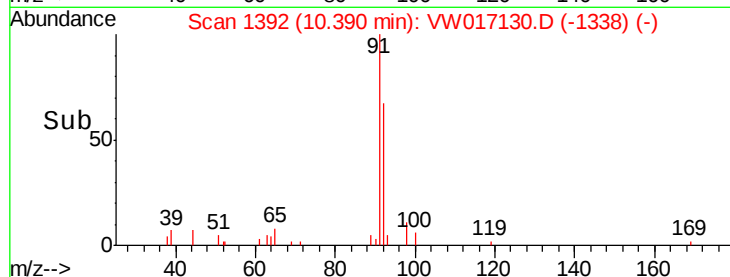
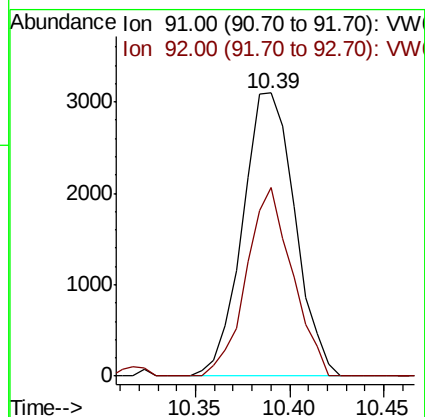
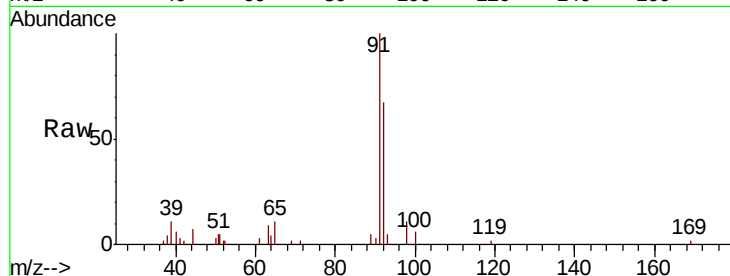
92 66.7 41.4 76.8

Manual Integrations

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#47

Tetrachloroethene

Concen: 23.043 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017130.D

Acq: 10 Nov 2020 11:16

Tgt Ion: 164 Resp: 134311

Ion Ratio Lower Upper

164 100

129 84.9 62.9 116.7

131 83.3 63.3 117.5

166 128.1 92.0 170.8

