

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122420\
 Data File : VW017743.D
 Acq On : 24 Dec 2020 17:58
 Operator : SY/VA
 Sample : L5173-12
 Misc : 4.74G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4R8

Manual Integrations
 APPROVED

MMDadoda
 12/26/2020 1:37:44 PM

Quant Time: Dec 25 08:16:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 25 07:46:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	371529	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	299449	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	114119	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	106615	18.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.20%
7) Chloroethane-d5	2.89	69	93759	19.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.04%
10) 1,1-Dichloroethene-d2	4.02	63	134763	13.46	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.84%
20) 2-Butanone-d5	7.08	46	52004	55.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.64%
24) Chloroform-d	7.65	84	196525	20.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.96%
26) 1,2-Dichloroethane-d4	8.31	65	112676	22.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.68%
29) Benzene-d6	8.27	84	378803	22.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.84%
33) 1,2-Dichloropropane-d6	9.27	67	113700	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.80%
37) Toluene-d8	10.32	98	325375	20.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.32%
38) trans-1,3-Dichloropropene-	10.58	79	35464	17.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.44%
39) 2-Hexanone-d5	10.93	63	36181	61.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	84765	24.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	84257	21.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.80%

Target Compounds

					Ovalue
13) Acetone	4.13	43	10786	13.406	ug/L 98
14) Carbon disulfide	4.39	76	13049	0.954	ug/L 100
16) Methylene chloride	4.93	84	6912	1.301	ug/L 92
17) Methyl tert-butyl Ether	5.41	73	5450m	0.939	ug/L
35) Trichloroethene	9.09	95	6829	1.441	ug/L 98
47) Tetrachloroethene	10.86	164	53812	14.523	ug/L 94

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

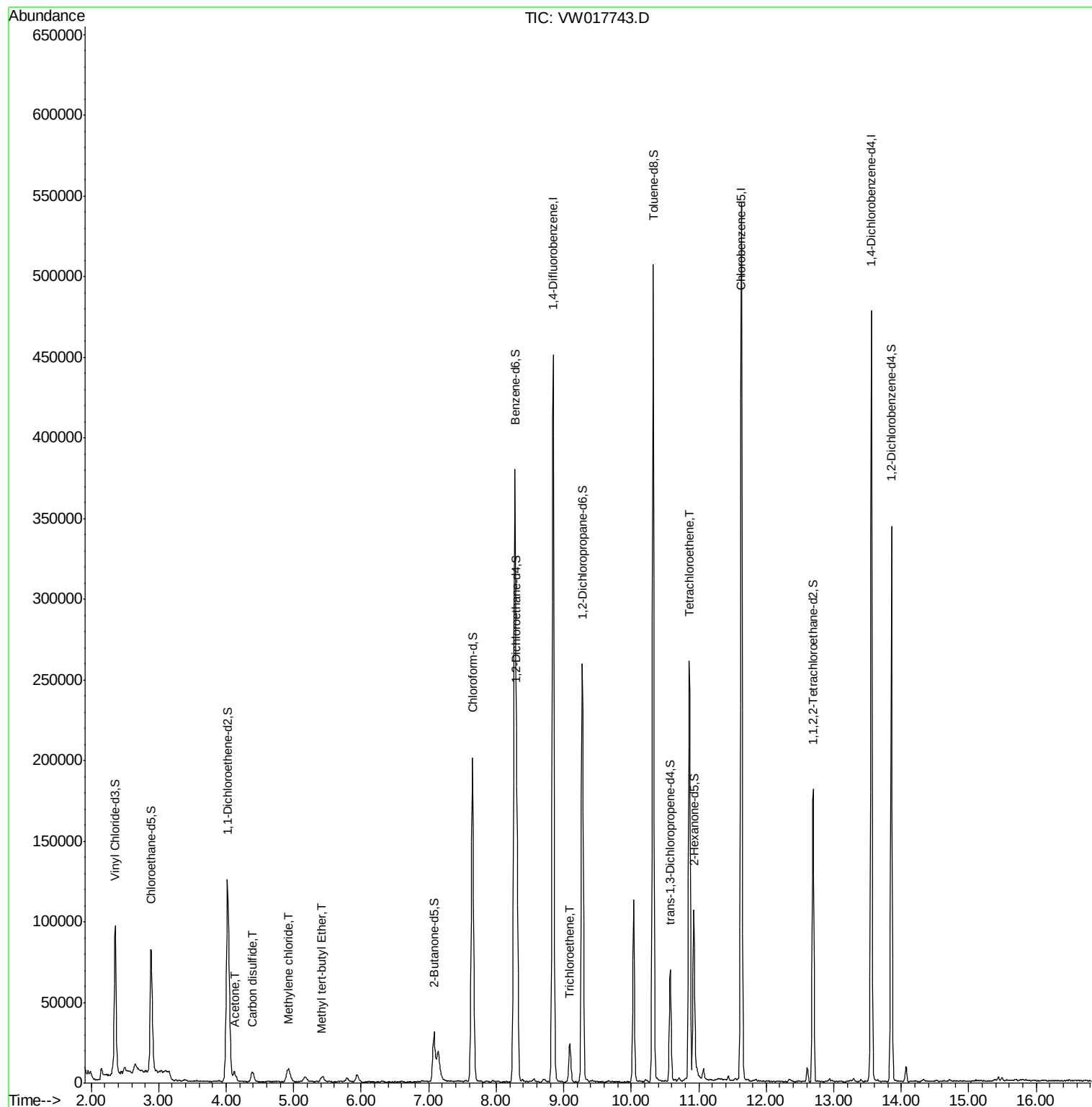
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122420\
Data File : VW017743.D
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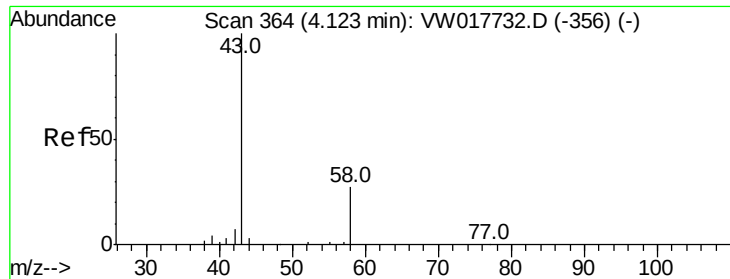
Instrument :
MSVOA_W
ClientSampleId :
BG4R8

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Quant Time: Dec 25 08:16:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 25 07:46:43 2020
Response via : Initial Calibration





#13

Acetone

Concen: 13.406 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017743.D

Acq: 24 Dec 2020 17:58

Instrument :

MSVOA_W

ClientSampleId :

BG4R8

Tot Ion: 43 Resp: 10786

Ion Ratio Lower Upper

43 100

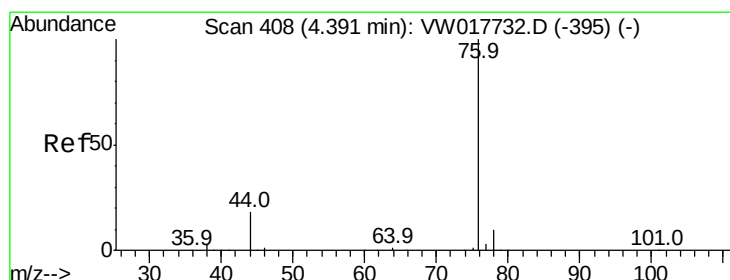
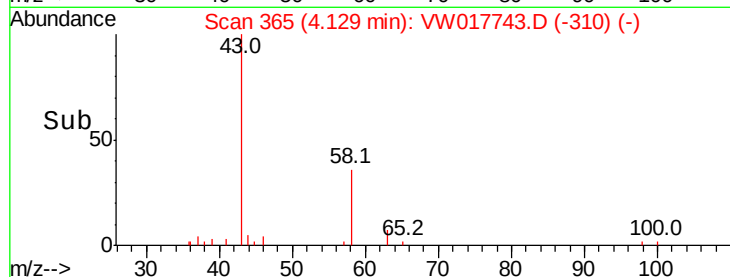
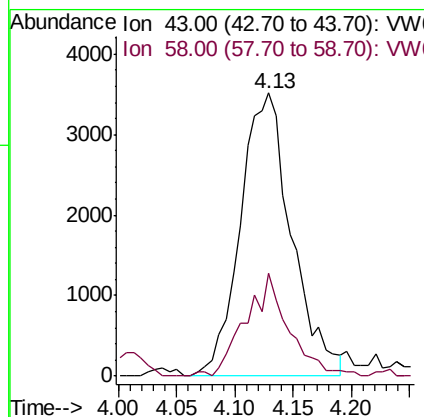
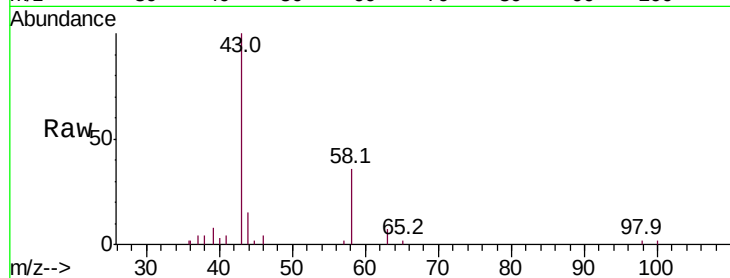
58 29.4 0.0 60.8

Manual Integrations

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#14

Carbon disulfide

Concen: 0.954 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017743.D

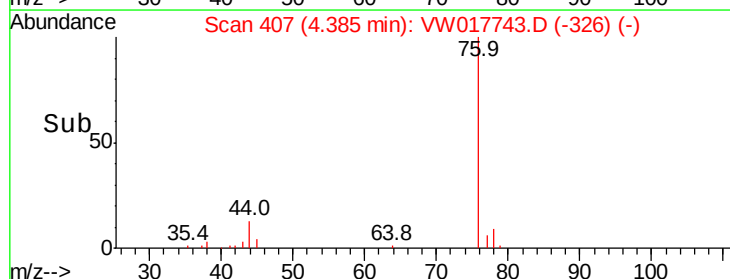
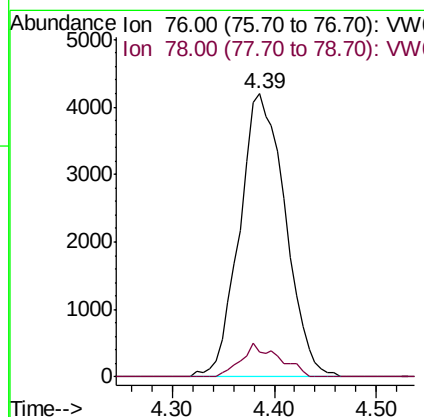
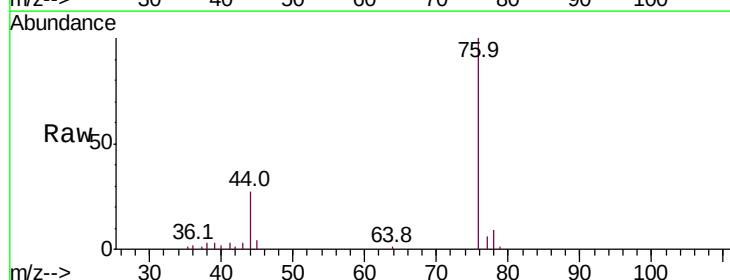
Acq: 24 Dec 2020 17:58

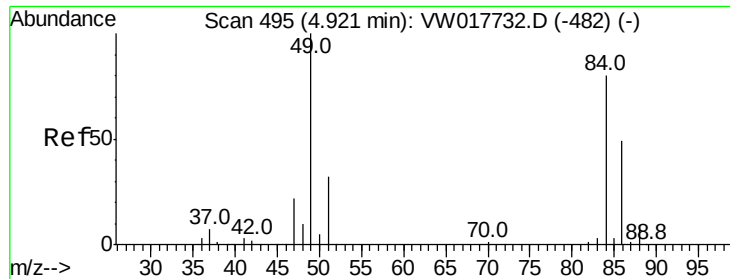
Tgt Ion: 76 Resp: 13049

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7





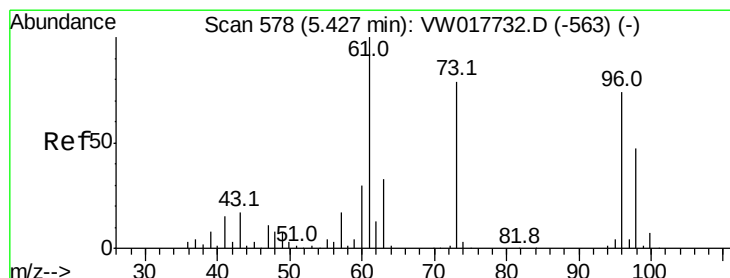
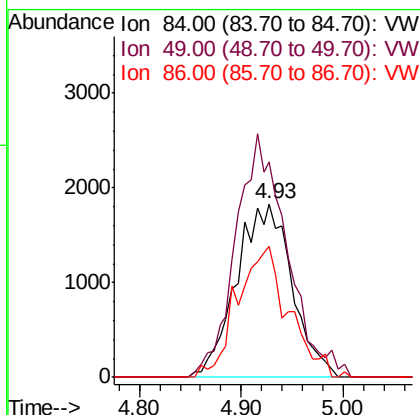
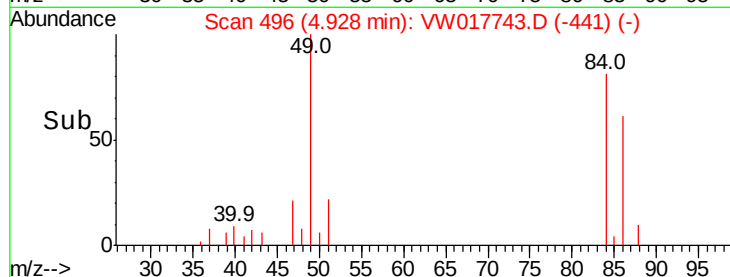
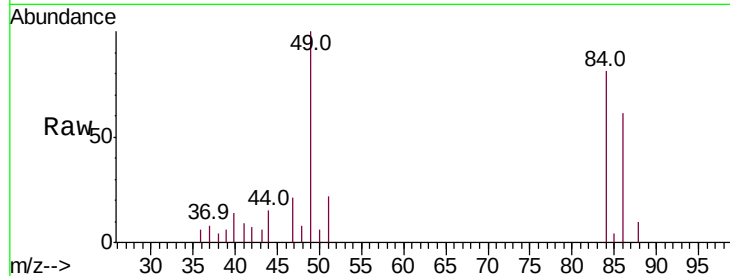
#16
Methylene chloride
Concen: 1.301 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017743.D
Acq: 24 Dec 2020 17:58

Instrument :
MSVOA_W
ClientSampleId :
BG4R8

Tot Ion: 84 Resp: 6912
Ion Ratio Lower Upper
84 100
49 124.1 90.5 168.1
86 75.7 44.8 83.2

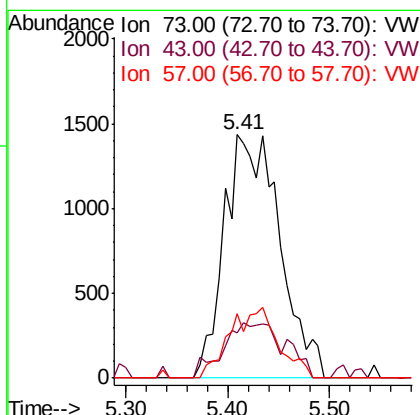
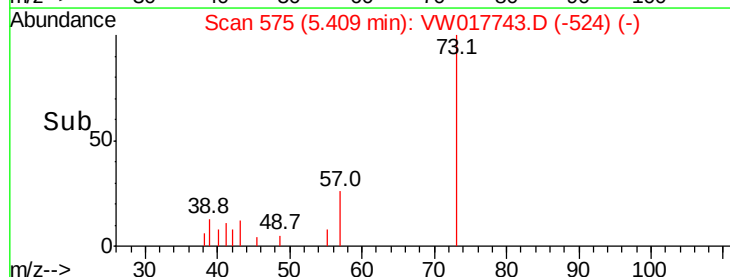
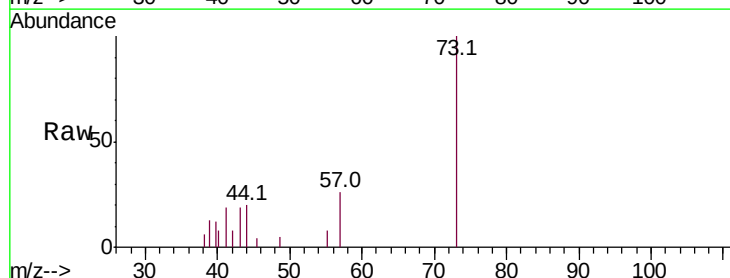
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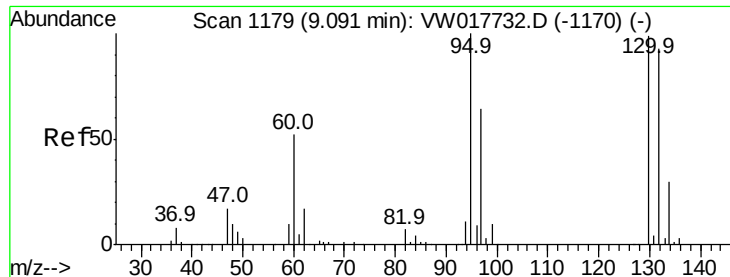
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#17
Methyl tert-butyl Ether
Concen: 0.939 ug/L m
RT: 5.41 min Scan# 575
Delta R.T. -0.02 min
Lab File: VW017743.D
Acq: 24 Dec 2020 17:58

Tgt Ion: 73 Resp: 5450
Ion Ratio Lower Upper
73 100
43 6.0 17.1 25.7#
57 5.7 16.6 25.0#





#35

Trichloroethene

Concen: 1.441 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017743.D

Acq: 24 Dec 2020 17:58

Instrument :

MSVOA_W

ClientSampleId :

BG4R8

Tot Ion: 95 Resp: 6829

Ion Ratio Lower Upper

95 100

97 66.6 46.8 87.0

132 99.8 68.3 126.9

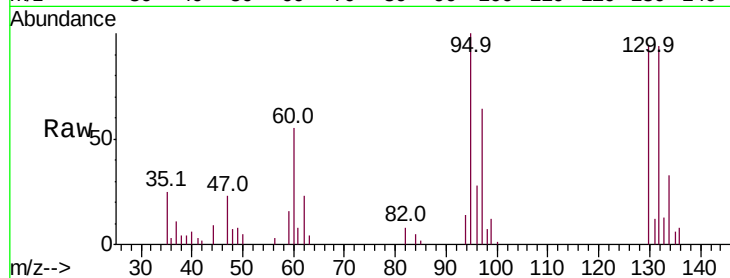
130 98.4 71.8 133.4

Manual Integrations

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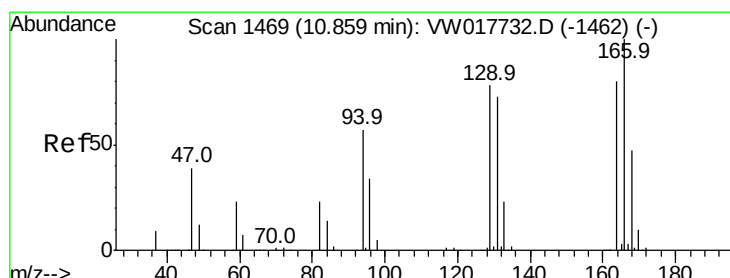
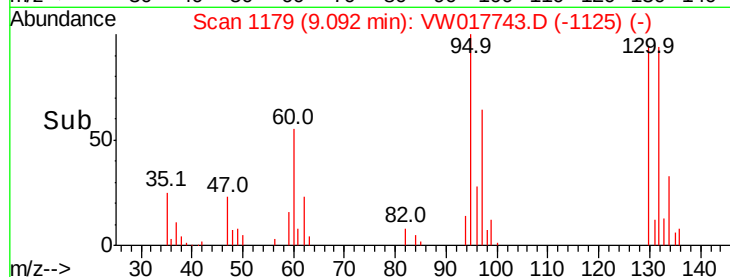
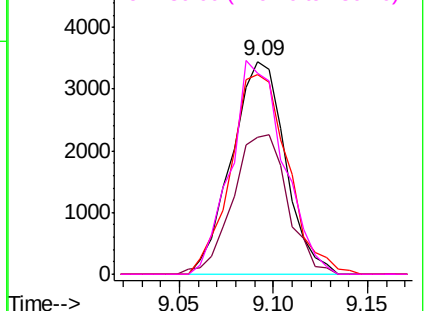
Abundance

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



#47

Tetrachloroethene

Concen: 14.523 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017743.D

Acq: 24 Dec 2020 17:58

Tgt Ion:164 Resp: 53812

Ion Ratio Lower Upper

164 100

129 96.6 62.9 116.9

131 101.1 63.8 118.6

166 123.1 87.4 162.2

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

