

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122420\
 Data File : VW017748.D
 Acq On : 24 Dec 2020 20:20
 Operator : SY/VA
 Sample : L5173-12
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4R8

Manual Integrations
 APPROVED

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 12/26/2020 1:37:51 PM

Quant Time: Dec 25 08:23:54 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	337001	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	275224	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	92111	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	131830	25.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.12%
7) Chloroethane-d5	2.89	69	112711	26.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.76%
10) 1,1-Dichloroethene-d2	4.03	63	171574	18.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.56%
20) 2-Butanone-d5	7.07	46	52418	62.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.04%
24) Chloroform-d	7.65	84	226594	25.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.92%
26) 1,2-Dichloroethane-d4	8.31	65	128295	28.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.60%
29) Benzene-d6	8.27	84	444824	28.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.76%
33) 1,2-Dichloropropane-d6	9.27	67	128098	29.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.92%
37) Toluene-d8	10.32	98	406341	27.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.16%
38) trans-1,3-Dichloropropene-	10.58	79	50823	26.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.72%
39) 2-Hexanone-d5	10.93	63	35604	66.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	92485	29.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	87350	27.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.92%

Target Compounds

					Ovalue
13) Acetone	4.12	43	15300	20.965	ug/L 100
14) Carbon disulfide	4.39	76	29744	2.398	ug/L # 93
16) Methylene chloride	4.92	84	10133	2.103	ug/L 85
17) Methyl tert-butyl Ether	5.42	73	2543m	0.483	ug/L
21) 2-Butanone	7.18	43	3804	3.875	ug/L 79
35) Trichloroethene	9.09	95	3056	0.702	ug/L 94
47) Tetrachloroethene	10.86	164	33845	9.938	ug/L 96

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

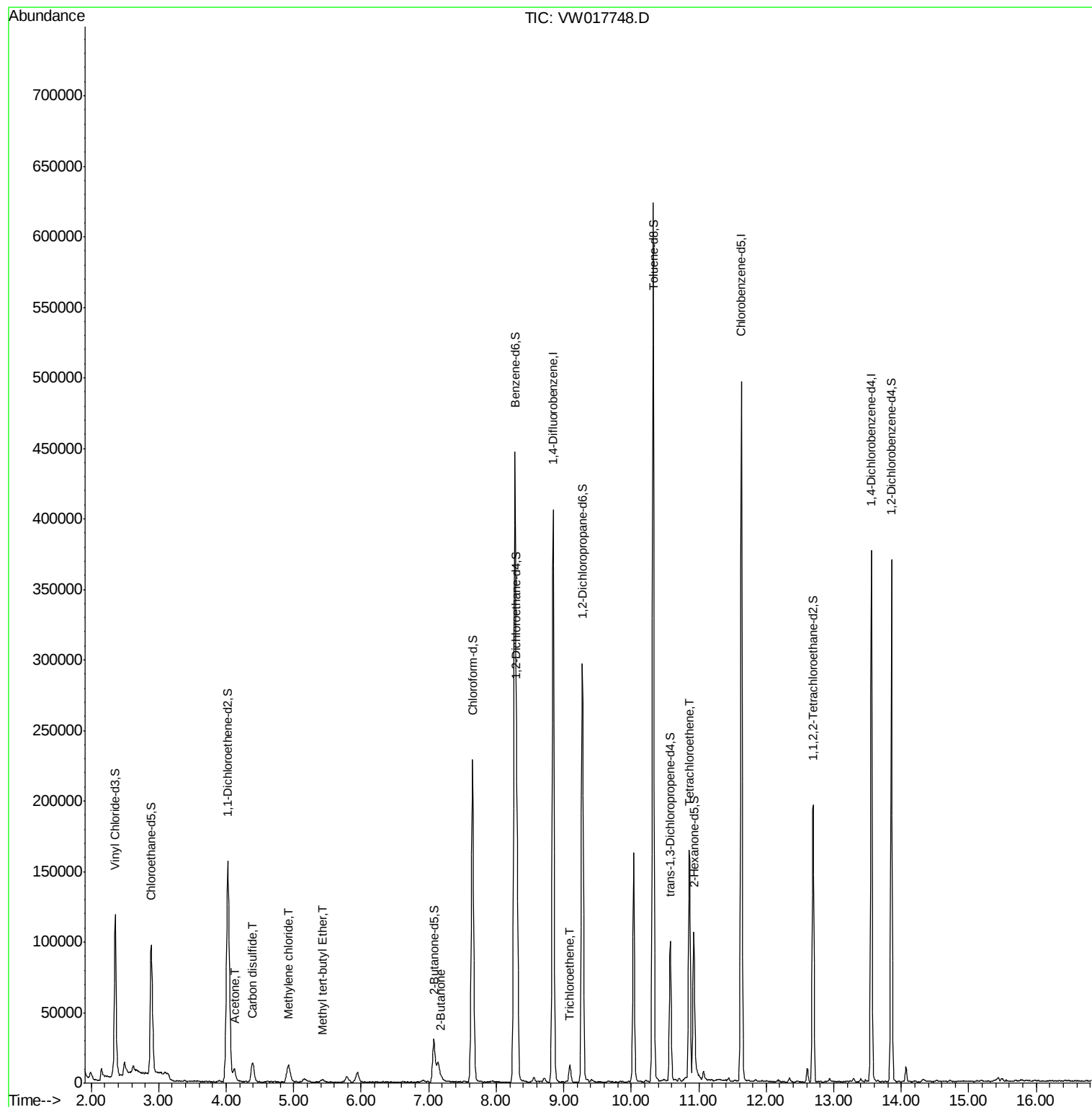
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122420\
Data File : VW017748.D
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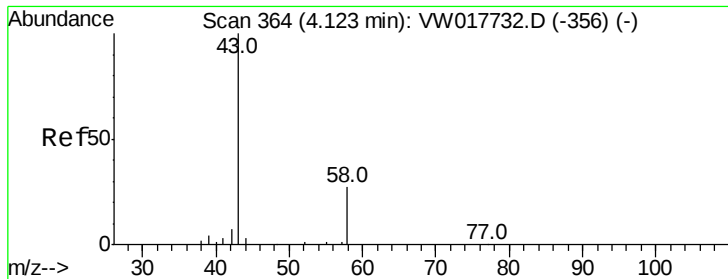
Instrument :
MSVOA_W
ClientSampleId :
BG4R8

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Quant Time: Dec 25 08:23:54 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: 20.965 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW017748.D

Acq: 24 Dec 2020 20:20

Instrument :

MSVOA_W

ClientSampleId :

BG4R8

Tot Ion: 43 Resp: 15300

Ion Ratio Lower Upper

43 100

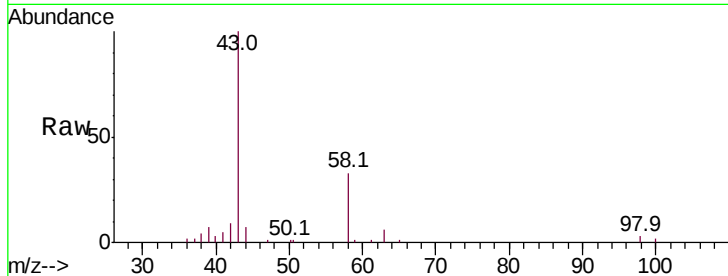
58 30.2 0.0 60.8

Manual Integrations

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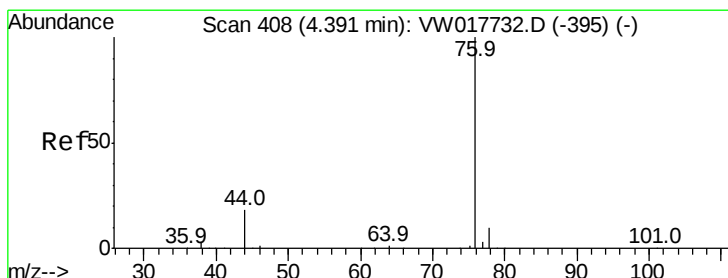
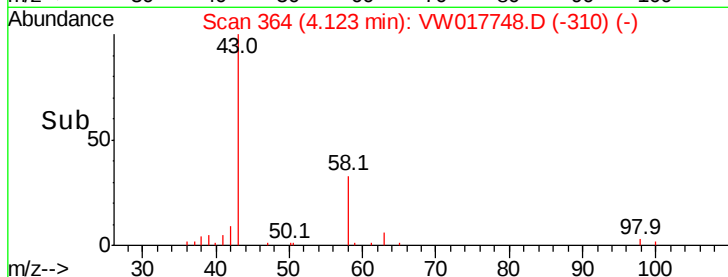
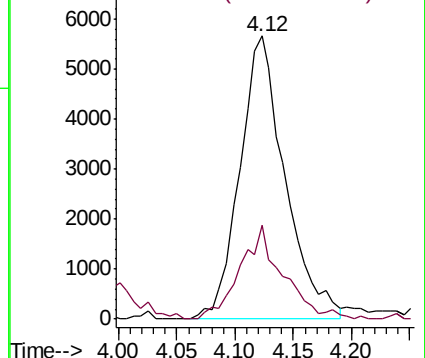
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.398 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017748.D

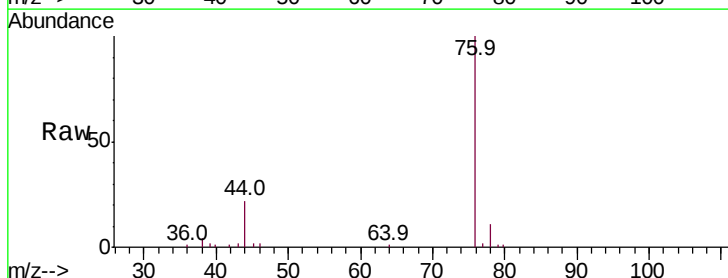
Acq: 24 Dec 2020 20:20

Tgt Ion: 76 Resp: 29744

Ion Ratio Lower Upper

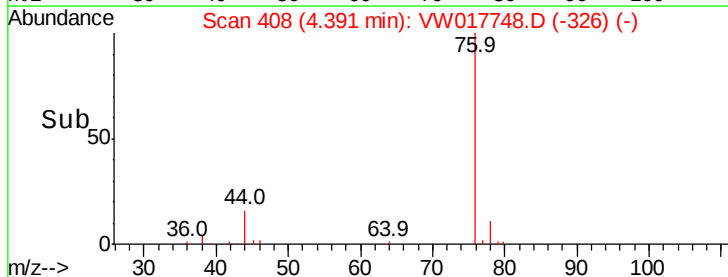
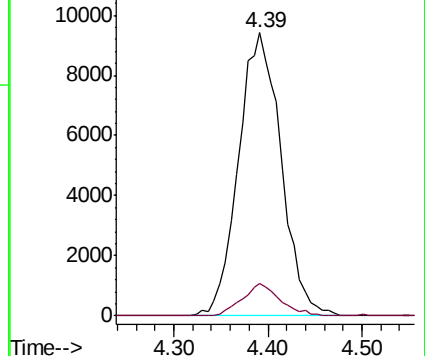
76 100

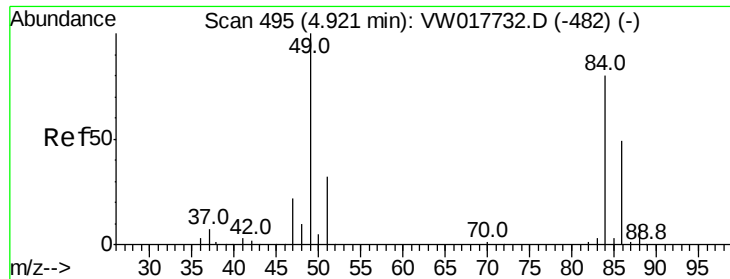
78 11.4 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





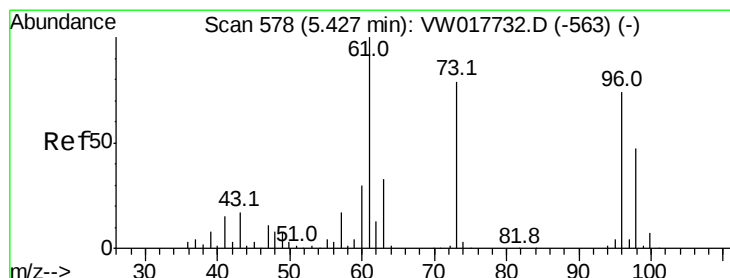
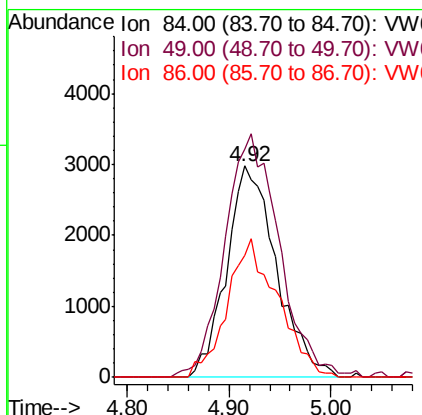
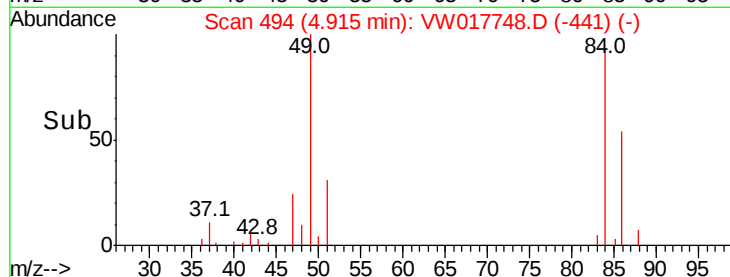
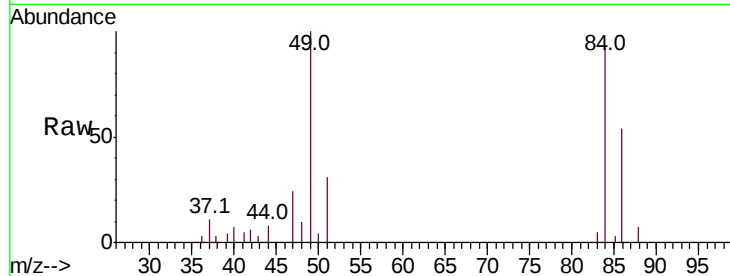
#16
Methylene chloride
Concen: 2.103 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017748.D
Acq: 24 Dec 2020 20:20

Instrument :
MSVOA_W
ClientSampled :
BG4R8

Tot Ion	Ratio	Lower	Upper
84	100		
49	107.7	90.5	168.1
86	57.8	44.8	83.2

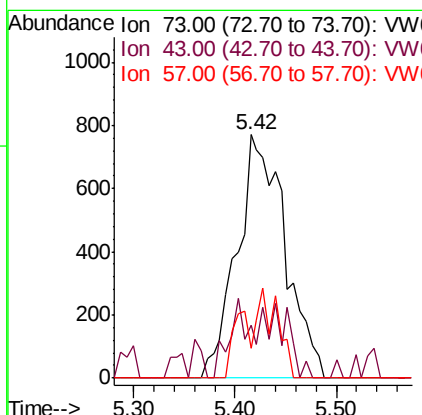
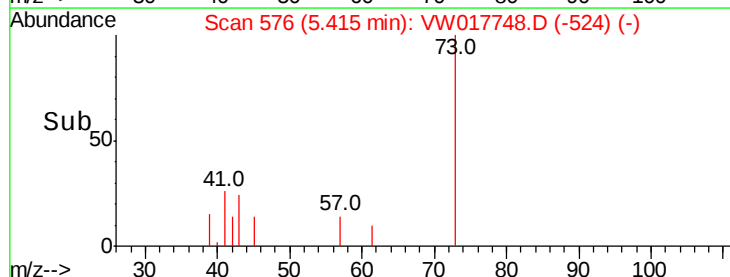
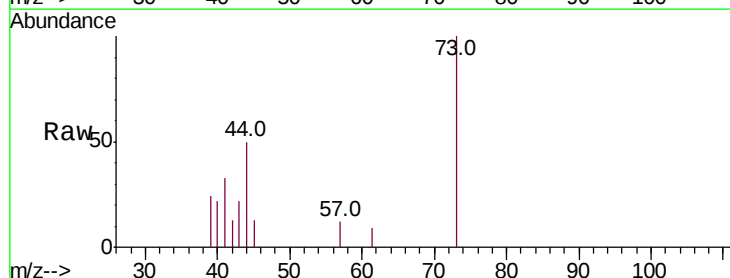
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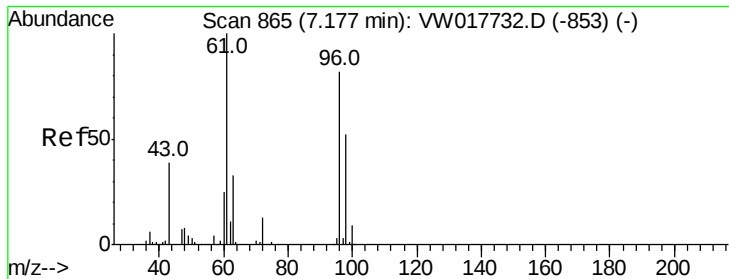
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#17
Methyl tert-butyl Ether
Concen: 0.483 ug/L m
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW017748.D
Acq: 24 Dec 2020 20:20

Tgt Ion	Ratio	Lower	Upper
73	100		
43	11.3	17.1	25.7#
57	9.4	16.6	25.0#





#21

2-Butanone

Concen: 3.875 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017748.D

Acq: 24 Dec 2020 20:20

Instrument :

MSVOA_W

ClientSampled :

BG4R8

Tot Ion: 43 Resp: 3804

Ion Ratio Lower Upper

43 100

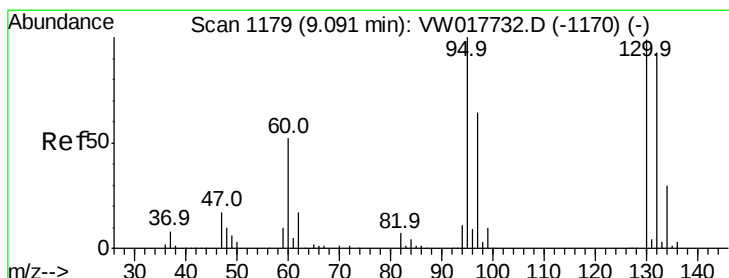
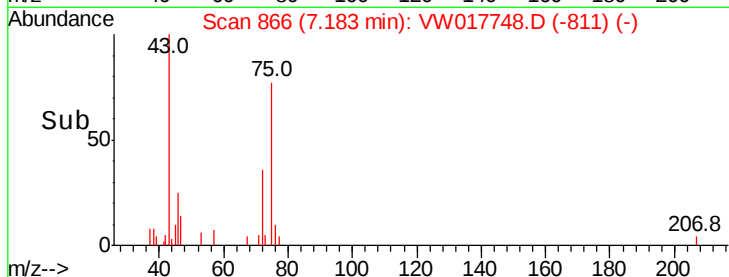
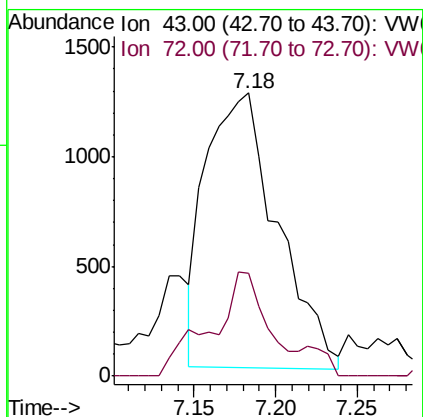
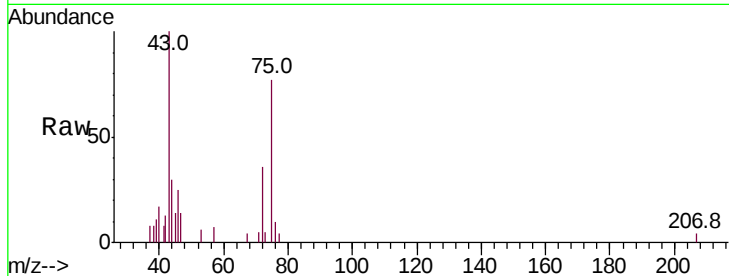
72 19.2 15.4 46.2

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#35

Trichloroethene

Concen: 0.702 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017748.D

Acq: 24 Dec 2020 20:20

Tgt Ion: 95 Resp: 3056

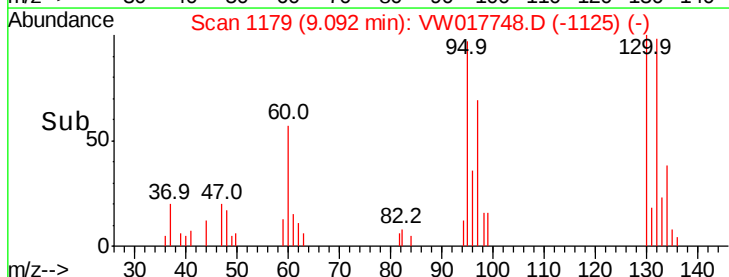
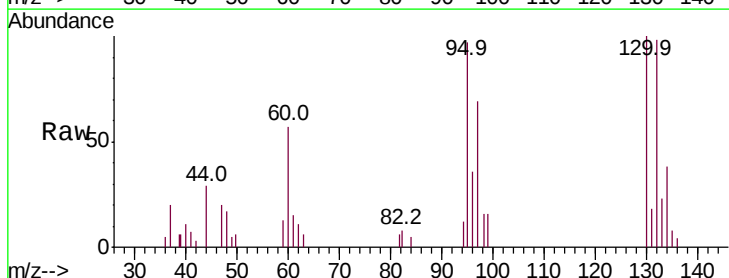
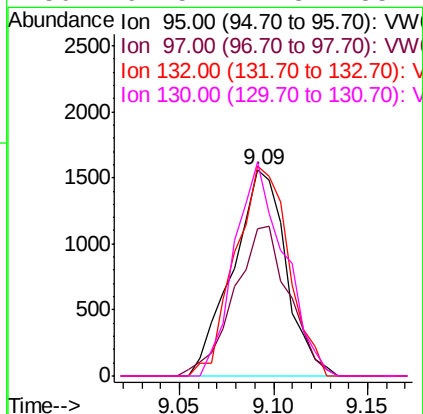
Ion Ratio Lower Upper

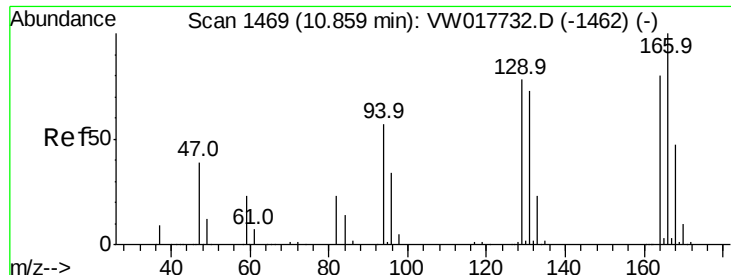
95 100

97 74.7 46.8 87.0

132 102.1 68.3 126.9

130 97.5 71.8 133.4





#47

Tetrachloroethene

Concen: 9.938 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017748.D

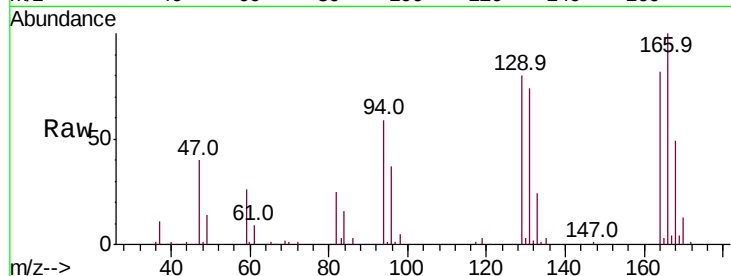
Acq: 24 Dec 2020 20:20

Instrument :

MSVOA_W

ClientSampleId :

BG4R8



Tot Ion:164 Resp: 33845

Ion Ratio Lower Upper

164 100

129 96.8 62.9 116.9

131 90.2 63.8 118.6

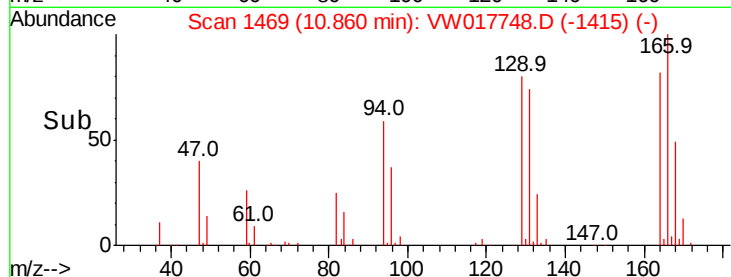
166 121.2 87.4 162.2

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

