

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032119\
 Data File : VW009324.D
 Acq On : 21 Mar 2019 13:52
 Operator : SY/VA
 Sample : K1988-21
 Misc : 5.26G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF0D3

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 3:00:39 AM

Quant Time: Mar 22 10:06:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 09:38:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	376561	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	338281	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	144709	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	113982	25.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.32%
7) Chloroethane-d5	2.89	69	110213	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.72%
10) 1,1-Dichloroethene-d2	4.02	63	172423	17.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.92%
20) 2-Butanone-d5	7.07	46	56007	30.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.20%
24) Chloroform-d	7.64	84	240933	23.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	8.31	65	137733	22.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.00%
29) Benzene-d6	8.27	84	447876	24.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.04%
33) 1,2-Dichloropropane-d6	9.27	67	135009	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.36%
37) Toluene-d8	10.32	98	389369	22.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.28%
38) trans-1,3-Dichloropropene-	10.58	79	55022	19.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.20%
39) 2-Hexanone-d5	10.93	63	40472	29.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109258	19.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	128061	23.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.32%

Target Compounds					Ovalue
16) Methylene chloride	4.92	84	8682m	1.581	ug/L
22) cis-1,2-Dichloroethene	7.17	96	46945	8.889	ug/L
35) Trichloroethene	9.09	95	5821859	1180.018	ug/L
47) Tetrachloroethene	10.86	164	78116	18.739	ug/L

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

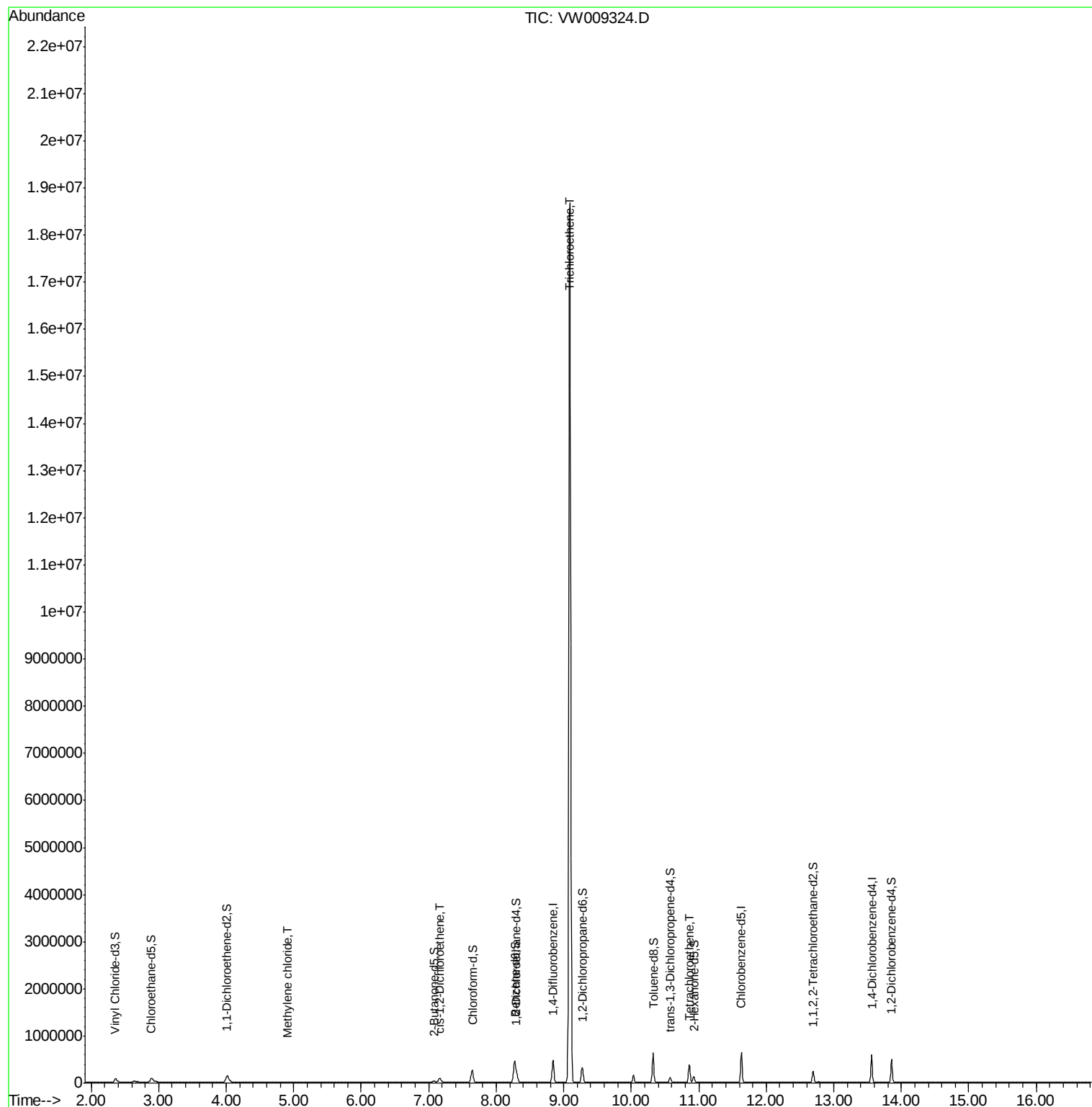
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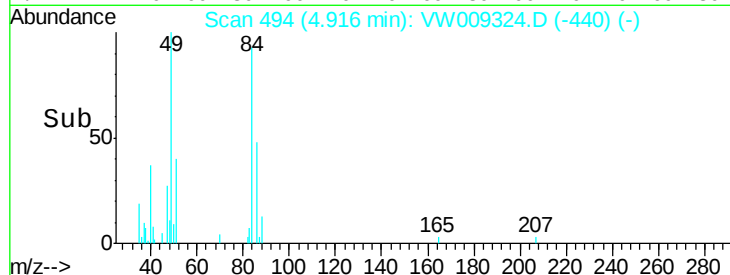
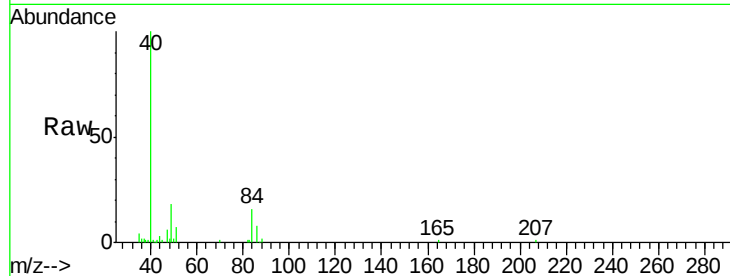
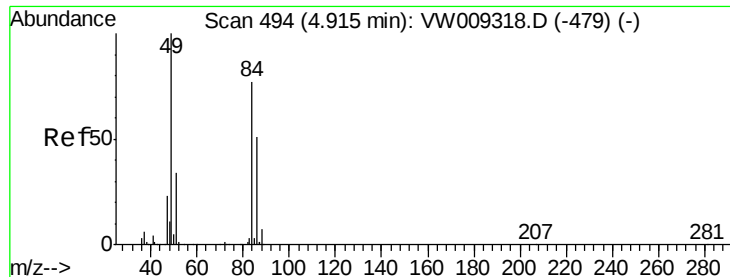
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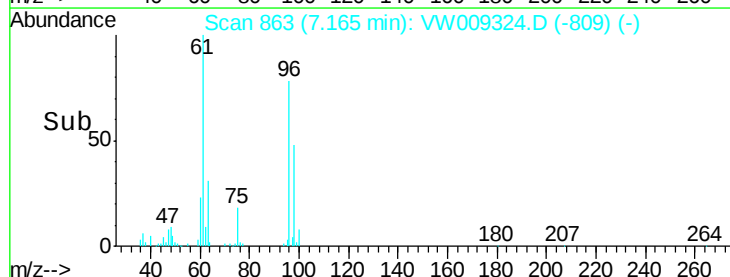
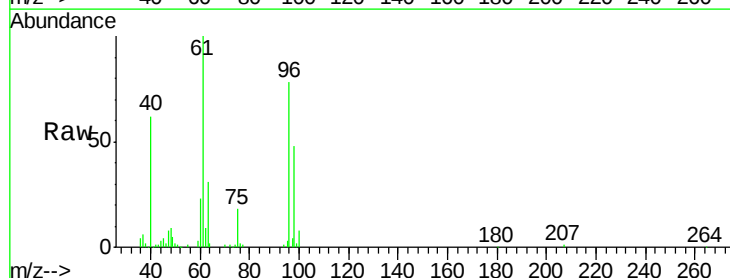
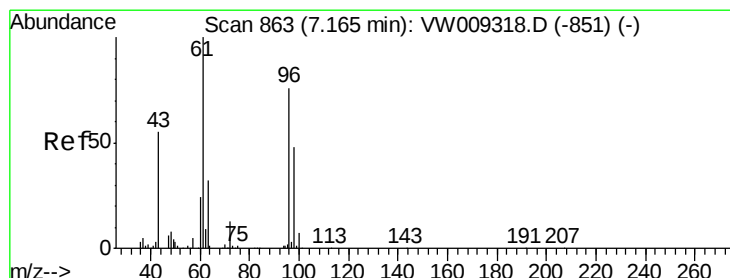
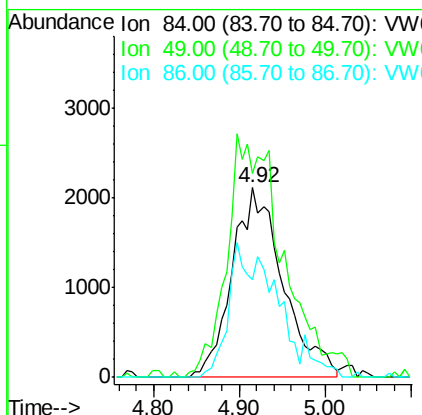
#16
Methvlene chloride
Concen: 1.581 ug/L m
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009324.D
Acq: 21 Mar 2019 13:52

Tot Ion	Ratio	Lower	Upper
84	100		
49	107.7	96.0	178.2
86	51.7	44.4	82.5

Instrument :
MSVOA_W
ClientSampleId :
BF0D3

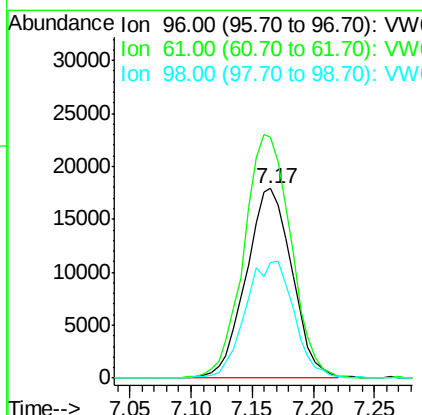
Manual Integrations
APPROVED

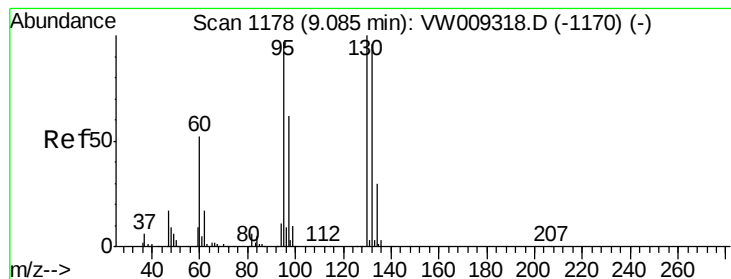
MMDadoda
3/23/2019 3:00:39 AM



#22
cis-1,2-Dichloroethene
Concen: 8.889 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009324.D
Acq: 21 Mar 2019 13:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.4	90.6	168.3
98	60.9	44.0	81.8





#35

Trichloroethene

Concen: 1180.018 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009324.D

Acq: 21 Mar 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

BF0D3

Tot Ion: 95 Resp: 5821859

Ion Ratio Lower Upper

95 100

97 64.6 44.7 82.9

132 94.8 69.0 128.2

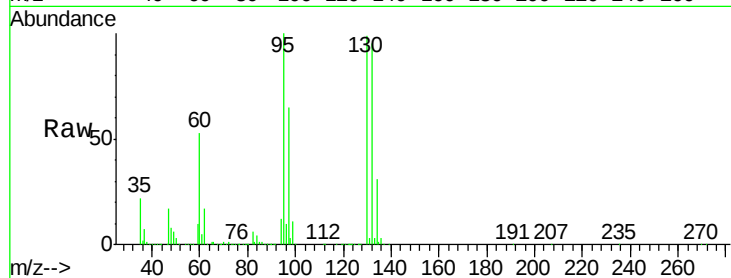
130 99.2 72.7 134.9

Manual Integrations

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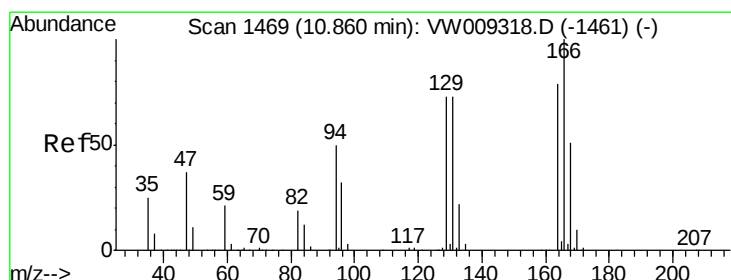
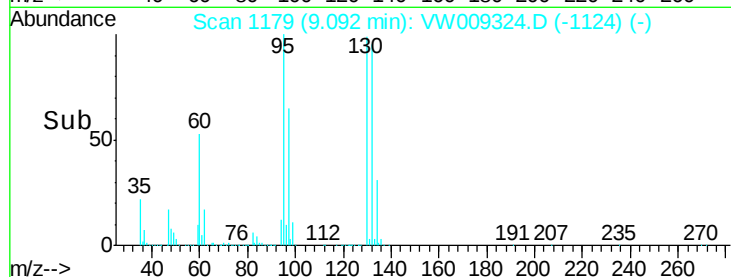
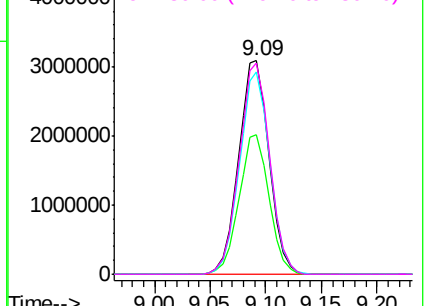


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 18.739 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009324.D

Acq: 21 Mar 2019 13:52

Tgt Ion:164 Resp: 78116

Ion Ratio Lower Upper

164 100

129 96.9 66.5 123.5

131 88.3 62.6 116.3

166 131.9 91.6 170.0

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

