

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031219\
 Data File : VU029949.D
 Acq On : 10 Mar 2019 15:15
 Operator : JC/SP
 Sample : K1818-12ME
 Misc : 5.80g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0R2ME

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 11:48:06 AM

Quant Time: Mar 11 08:00:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 07:10:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	585326	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	581859	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	292899	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	149110	41.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.50%
7) Chloroethane-d5	1.64	69	60554m	20.17	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	40.34%#
11) 1,1-Dichloroethene-d2	2.22	63	214803m	31.91	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.82%
21) 2-Butanone-d5	4.20	46	251184	90.78	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.78%
24) Chloroform-d	4.64	84	288074	41.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.90%
26) 1,2-Dichloroethane-d4	5.30	65	178199	43.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.52%
32) Benzene-d6	5.33	84	633189	43.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.34%
36) 1,2-Dichloropropane-d6	6.32	67	194137	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.66%
41) Toluene-d8	7.56	98	590515	42.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.88%
43) trans-1,3-Dichloropropene-	7.85	79	88105	41.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.14%
47) 2-Hexanone-d5	8.32	63	224778	95.39	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	317824	45.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	250008	43.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.04%

Target Compounds					Ovalue
3) Chloromethane	1.32	50	53397	9.038 ug/L	97
6) Bromomethane	1.60	94	3258	2.685 ug/L	94
46) Tetrachloroethene	8.22	164	611195	169.412 ug/L	98

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

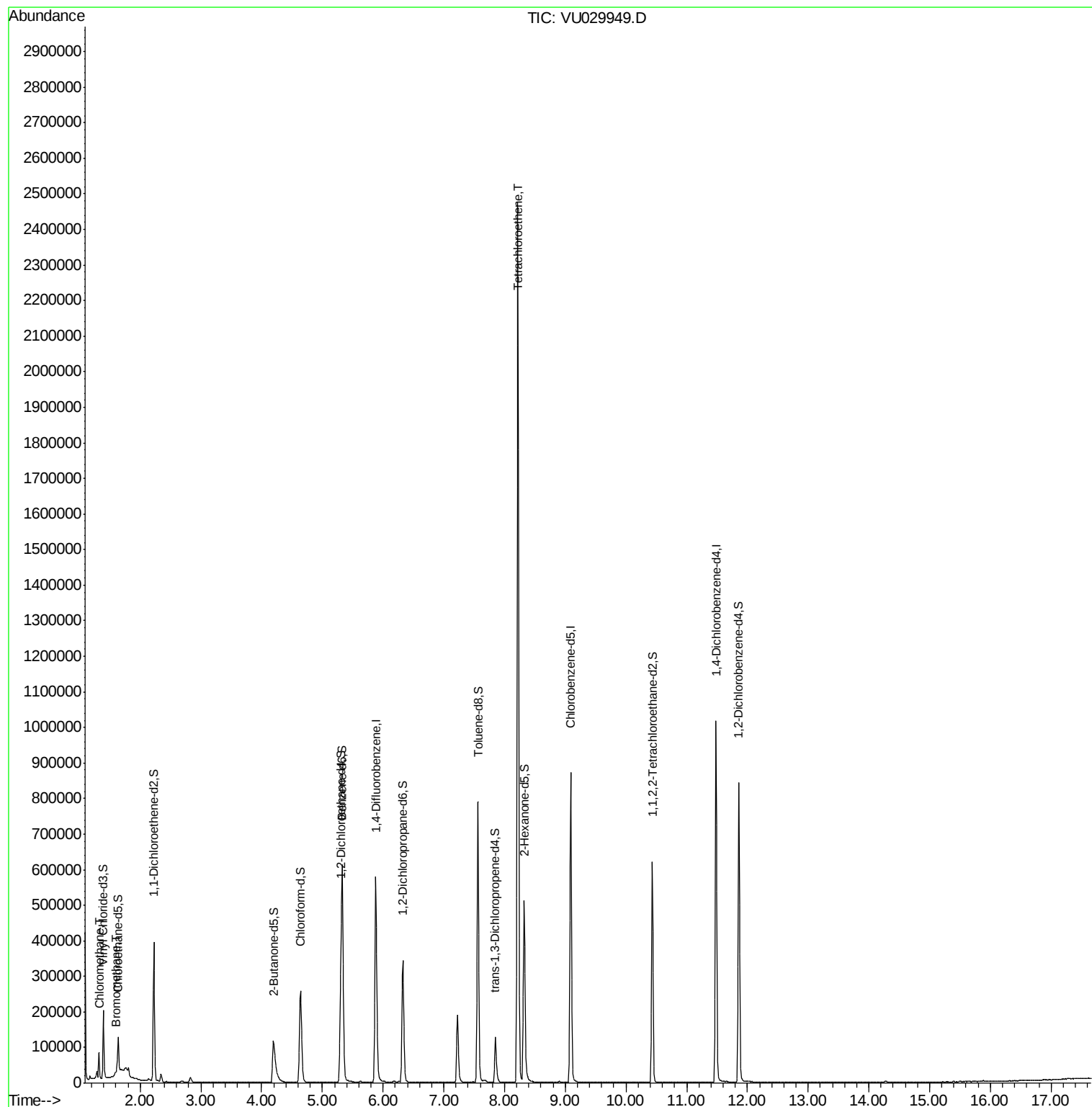
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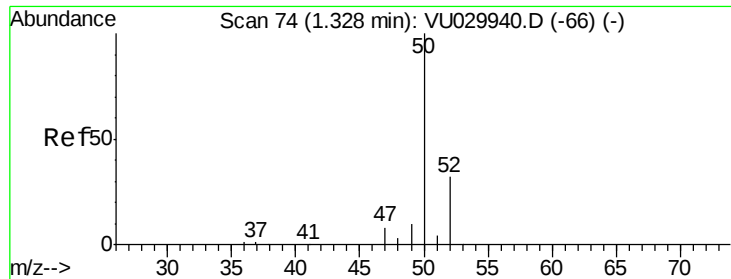
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#3

Chloromethane

Concen: 9.038 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.01 min

Lab File: VU029949.D

Acq: 10 Mar 2019 15:15

Instrument :

MSVOA_U

ClientSampled :

BF0R2ME

Tot Ion: 50 Resp: 53397

Ion Ratio Lower Upper

50 100

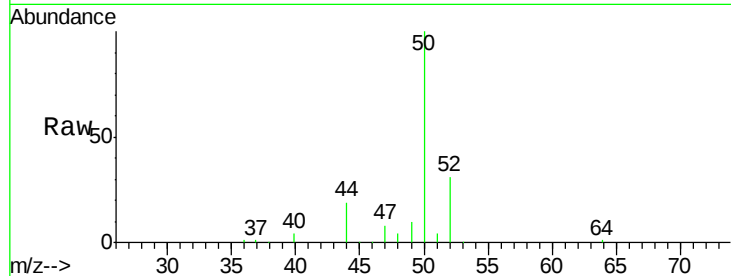
52 31.1 23.1 42.9

Manual Integrations

APPROVED

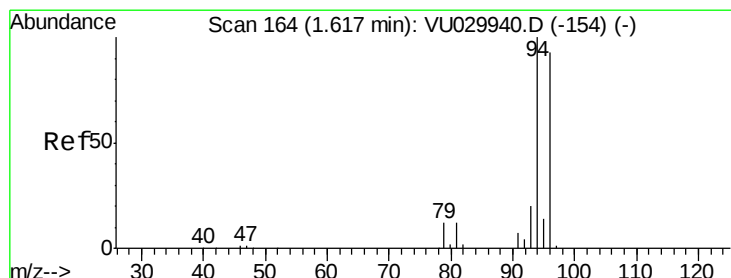
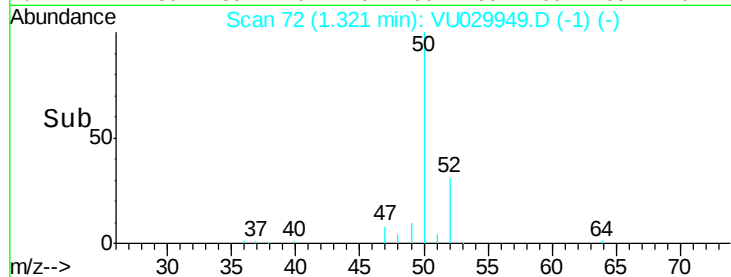
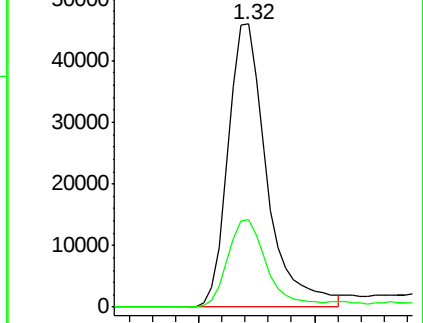
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3/11/2019 11:48:06 AM



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#6

Bromomethane

Concen: 2.685 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU029949.D

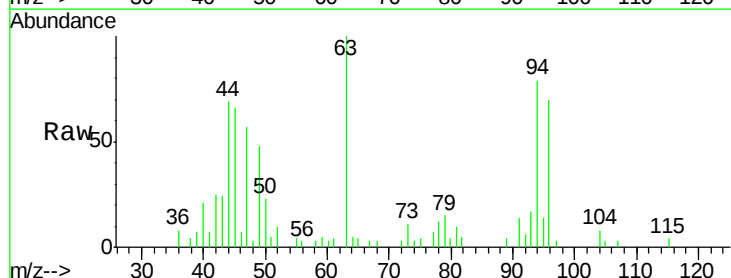
Acq: 10 Mar 2019 15:15

Tgt Ion: 94 Resp: 3258

Ion Ratio Lower Upper

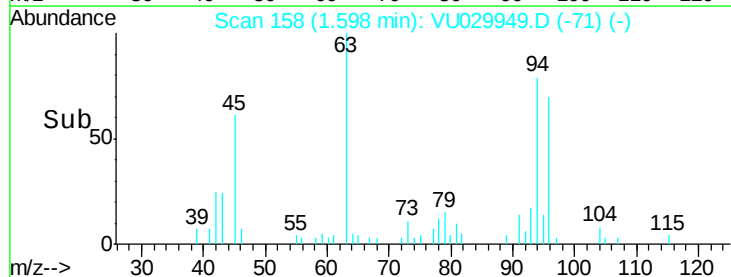
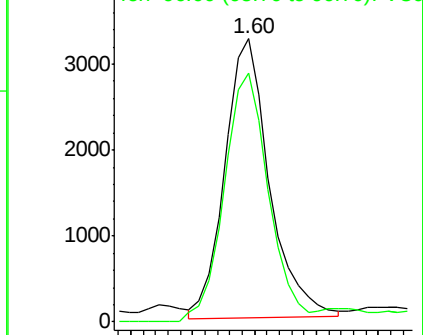
94 100

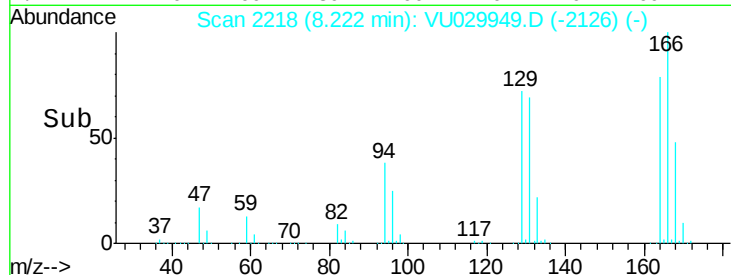
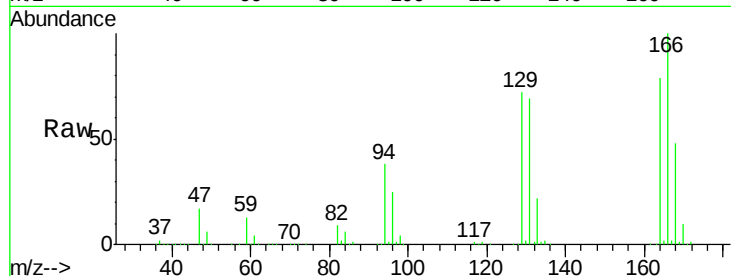
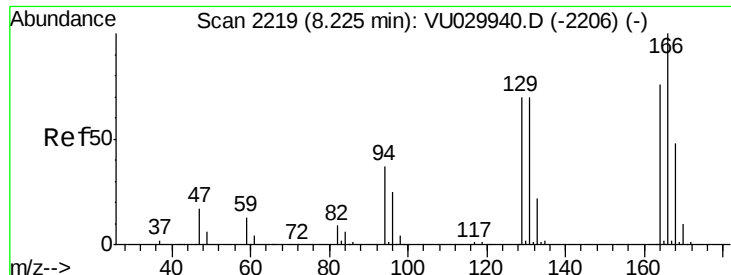
96 87.9 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#46

Tetrachloroethene

Concen: 169.412 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

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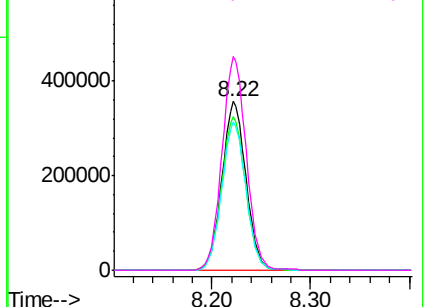
Tot Ion	Ratio	Resp	Lower	Upper
164	100	611195		
129	91.4	61.0	113.2	
131	87.7	60.5	112.3	
166	126.5	88.3	163.9	

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



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