

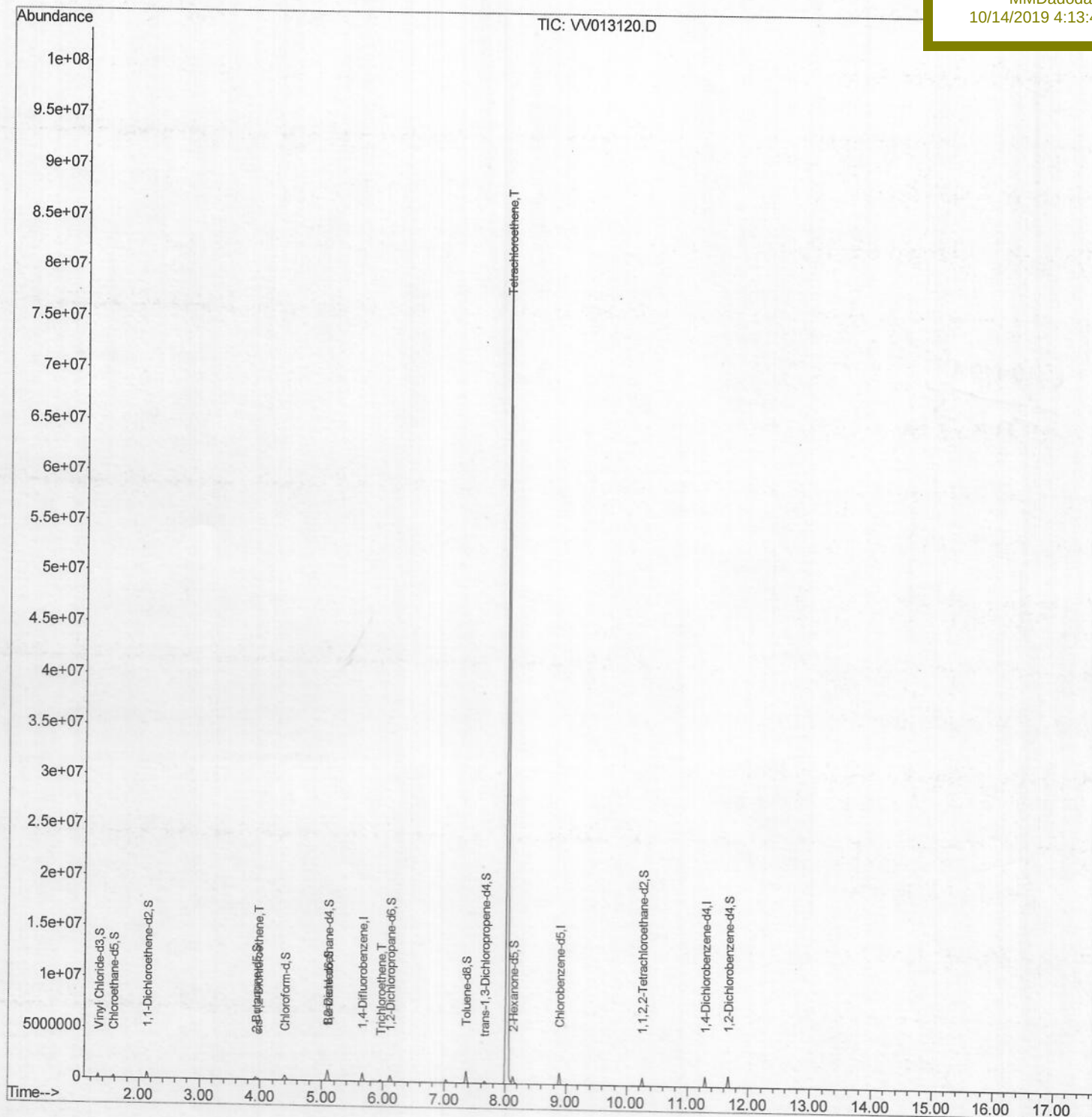
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101119\
Data File : VV013120.D
Acq On : 11 Oct 2019 23:57
Operator : SY/MD
Sample : K5347-01
Misc : 5.00ML/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 04:17:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 01:26:57 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

MMDadoda
10/14/2019 4:13:43 PM



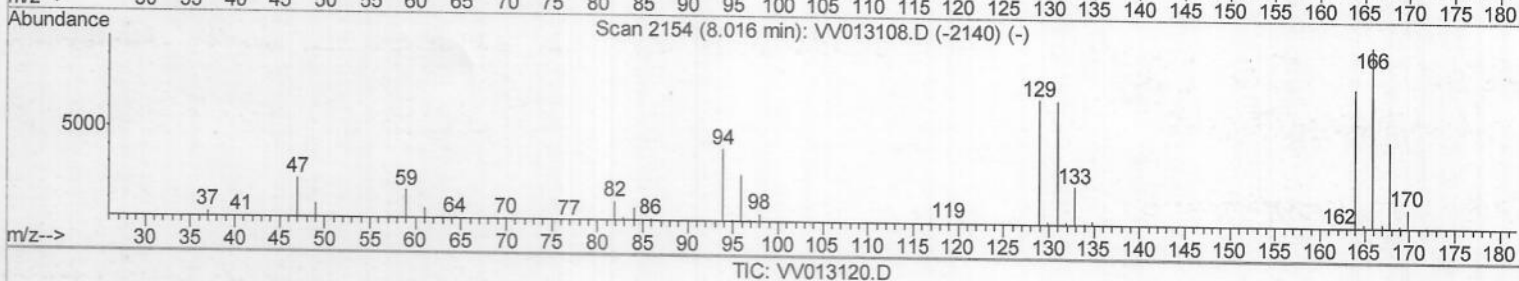
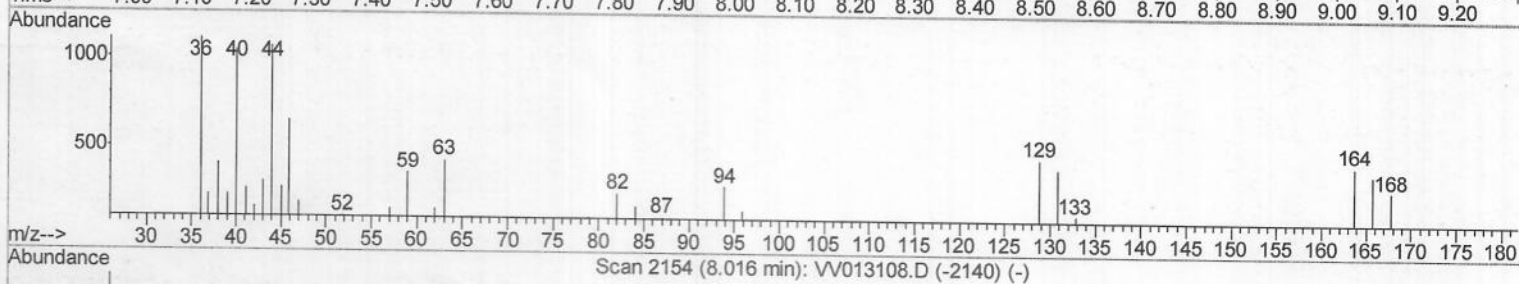
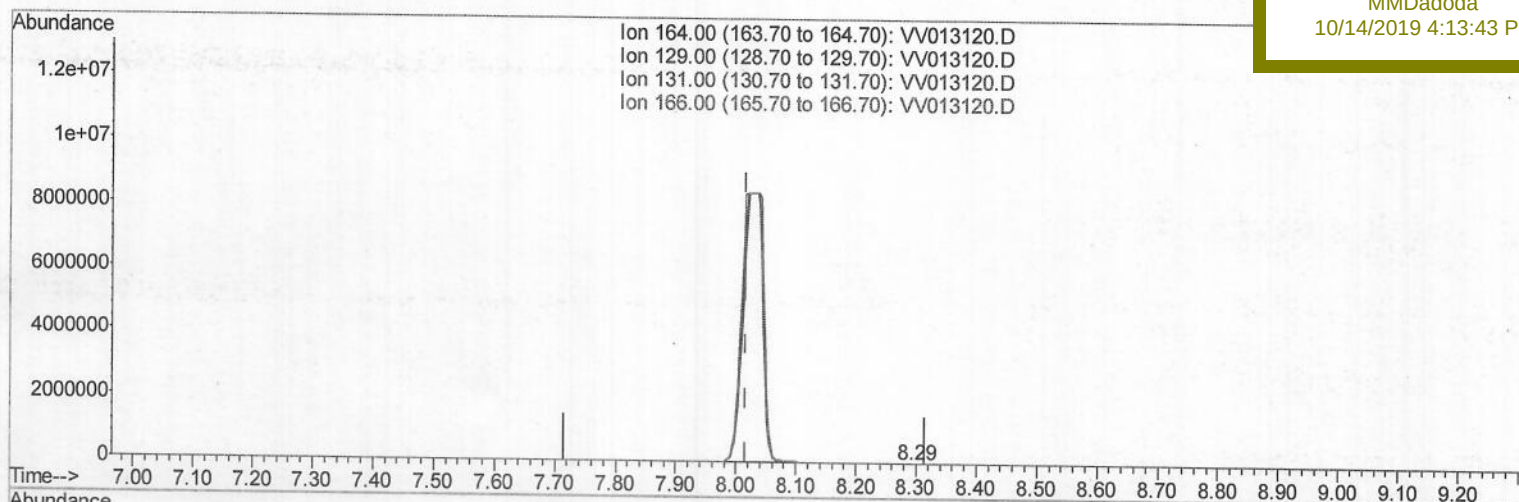
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101119\
Data File : VV013120.D
Acq On : 11 Oct 2019 23:57
Operator : SY/MD
Sample : K5347-01
Misc : 5.00ML/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 03:31:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 01:26:57 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

MMDadoda
10/14/2019 4:13:43 PM



(46) Tetrachloroethene (T)
8.293min (+0.276) 0.02ug/L
response 90

Ion	Exp%	Act%
164.00	100	100
129.00	90.10	105.85
131.00	89.20	92.27
166.00	130.50	87.82#

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101119\

Data File : VV013120.D

Acq On : 11 Oct 2019 23:57

Operator : SY/MD

Sample : K5347-01

Misc : 5.00ML/MSVOA V/WATER

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 03:31:54 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Oct 12 01:26:57 2019

Response via : Initial Calibration

Instrument :

MSVOA_V

ClientSampleId :

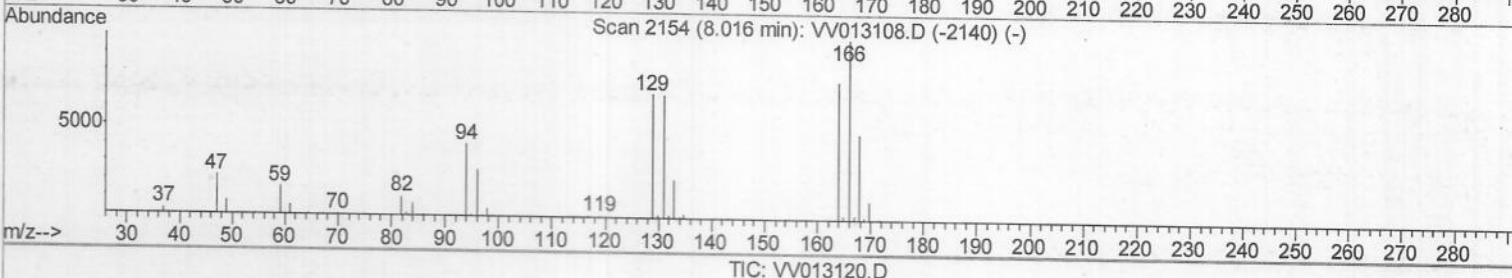
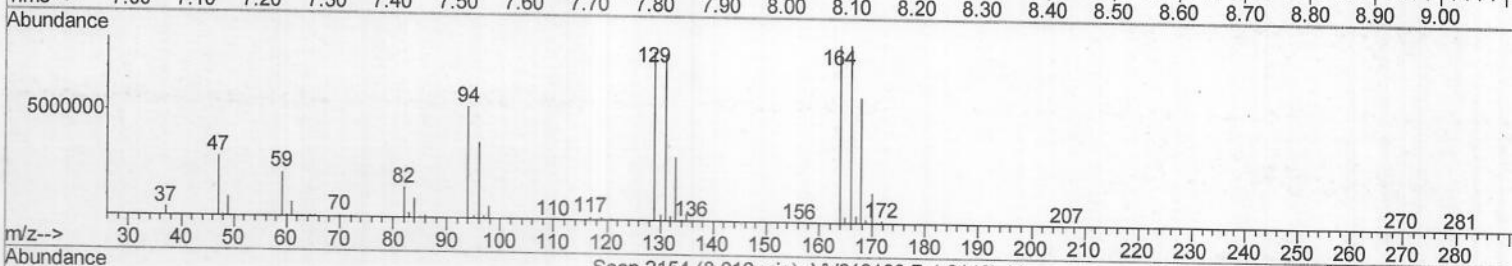
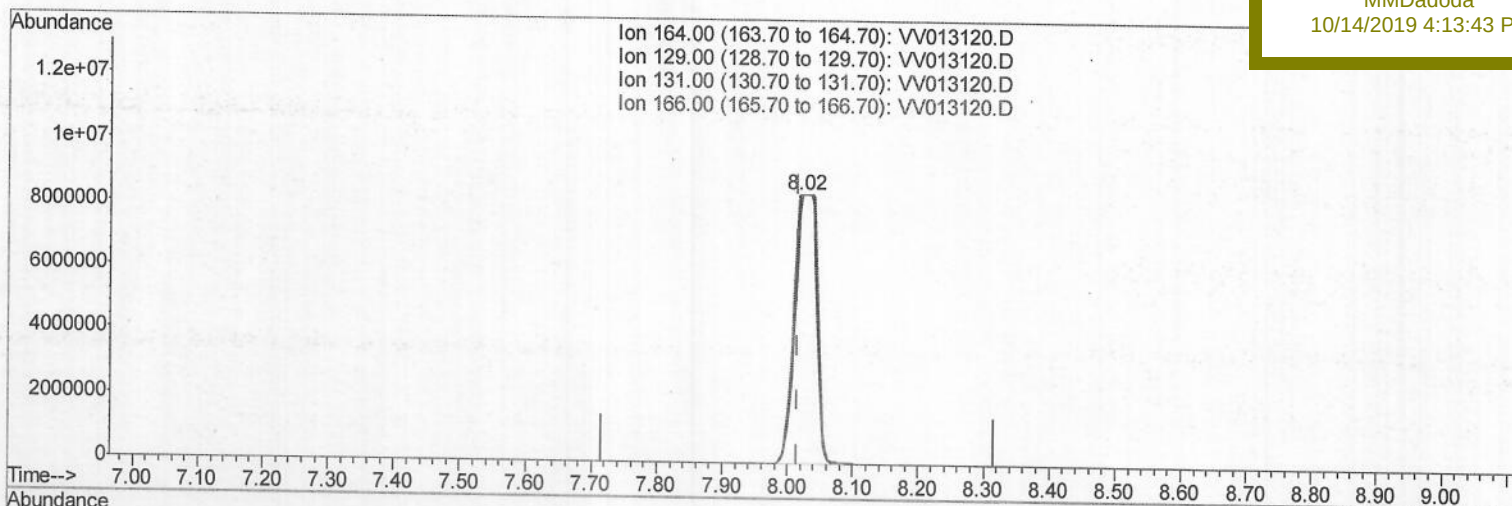
C0AE9

Manual Integrations

APPROVED

MMDadoda

10/14/2019 4:13:43 PM



(46) Tetrachloroethene (T)

8.019min (+0.003) 4561.01ug/L m

response 19651757

Ion	Exp%	Act%
164.00	100	100
129.00	90.10	95.57
131.00	89.20	92.67
166.00	130.50	100.00

> MD
10/15/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101119\
 Data File : VV013120.D
 Acq On : 11 Oct 2019 23:57
 Operator : SY/MD
 Sample : K5347-01
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 Client Sampled :
 C0AE9

Quant Time: Oct 12 04:17:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 12 01:26:57 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 4:13:43 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	703781	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	671087	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	265260	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	222074	49.92	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.84%		
7) Chloroethane-d5	1.58	69	196021	53.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	107.50%		
11) 1,1-Dichloroethene-d2	2.13	63	317417	37.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.66%		
21) 2-Butanone-d5	3.92	46	361864	108.18	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	108.18%		
24) Chloroform-d	4.40	84	431180	50.35	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.70%		
26) 1,2-Dichloroethane-d4	5.08	65	284721	53.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.86%		
32) Benzene-d6	5.10	84	929076	51.89	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.78%		
36) 1,2-Dichloropropane-d6	6.12	67	294551	52.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	105.02%		
41) Toluene-d8	7.36	98	802745	50.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.20%		
43) trans-1,3-Dichloropropene-	7.66	79	120034	47.24	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.48%		
47) 2-Hexanone-d5	8.13	63	240896	107.93	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.93%		
57) 1,1,2,2-Tetrachloroethane-	10.26	84	383726	53.01	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	106.02%		
64) 1,2-Dichlorobenzene-d4	11.67	152	293127	56.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	112.80%		

Target Compounds

					Ovalue
20) cis-1,2-Dichloroethene	3.96	96	24611	4.593 ug/L	97
34) Trichloroethene	5.96	95	50763	9.327 ug/L	97
46) Tetrachloroethene	8.02	164	19651757m	4561.008 ug/L	

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

> MD
 10/15/19