

(QT Reviewed)

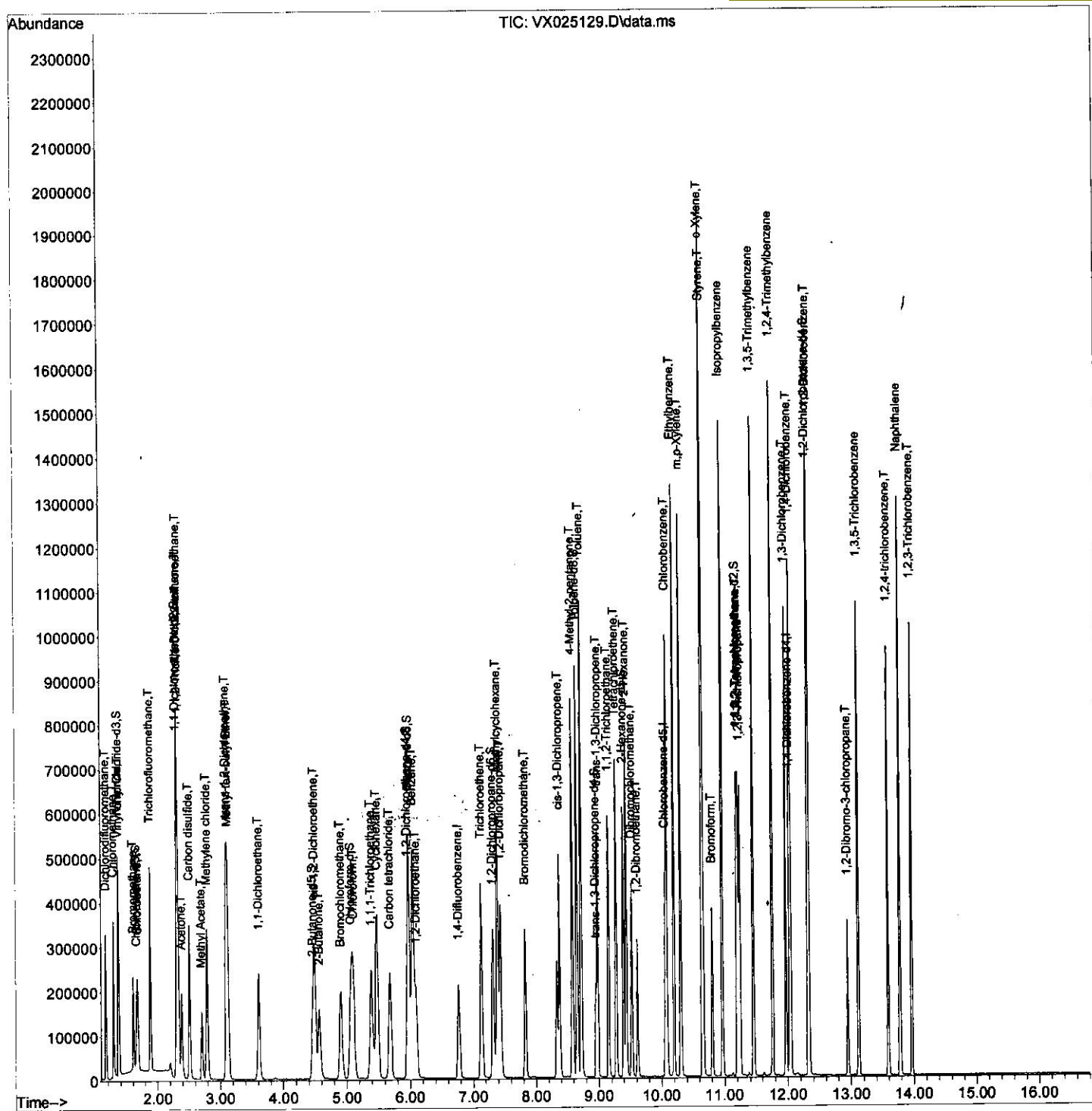
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\ VX111121\  
Data File : VX025129.D  
Acq On : 11 Nov 2021 14:26  
Operator : JC/MD  
Sample : VSTD10033  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTD100633

Quant Time: Nov 11 15:05:57 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM111121WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Nov 11 14:40:35 2021  
Response via : Initial Calibration

## Manual IntegrationsAPPROVED

Reviewed By :John Carlone 11/12/2021  
Supervised By :Mahesh Dadoda 11/12/2021



# Quantitation Report (Qedit)

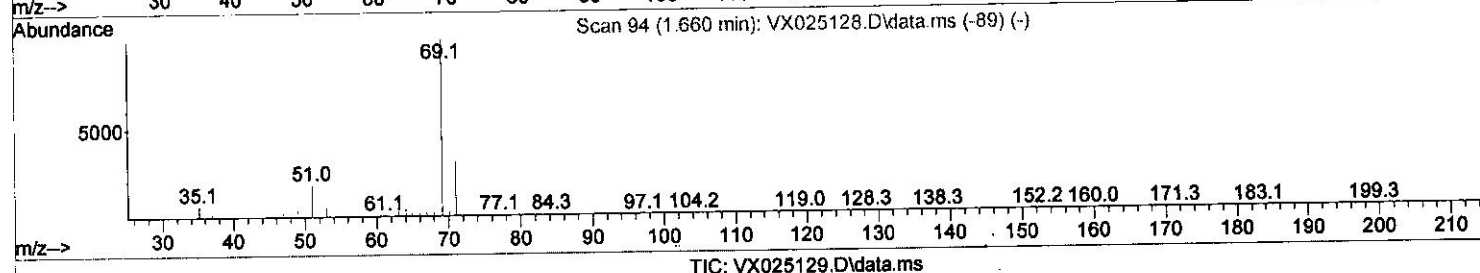
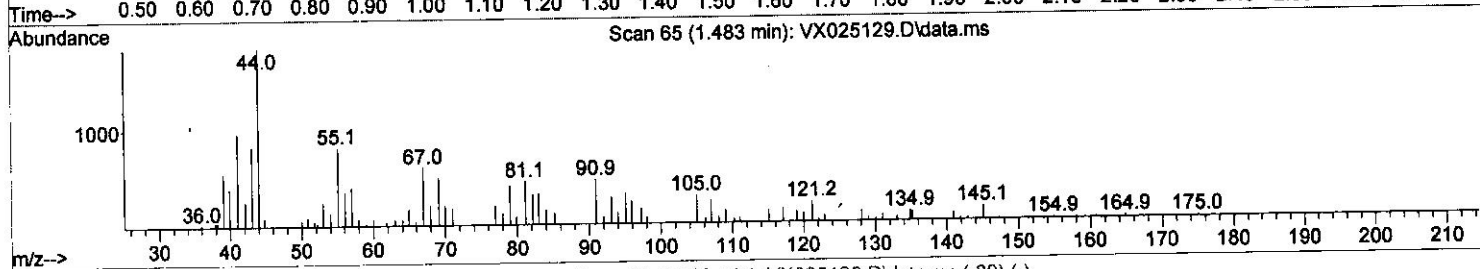
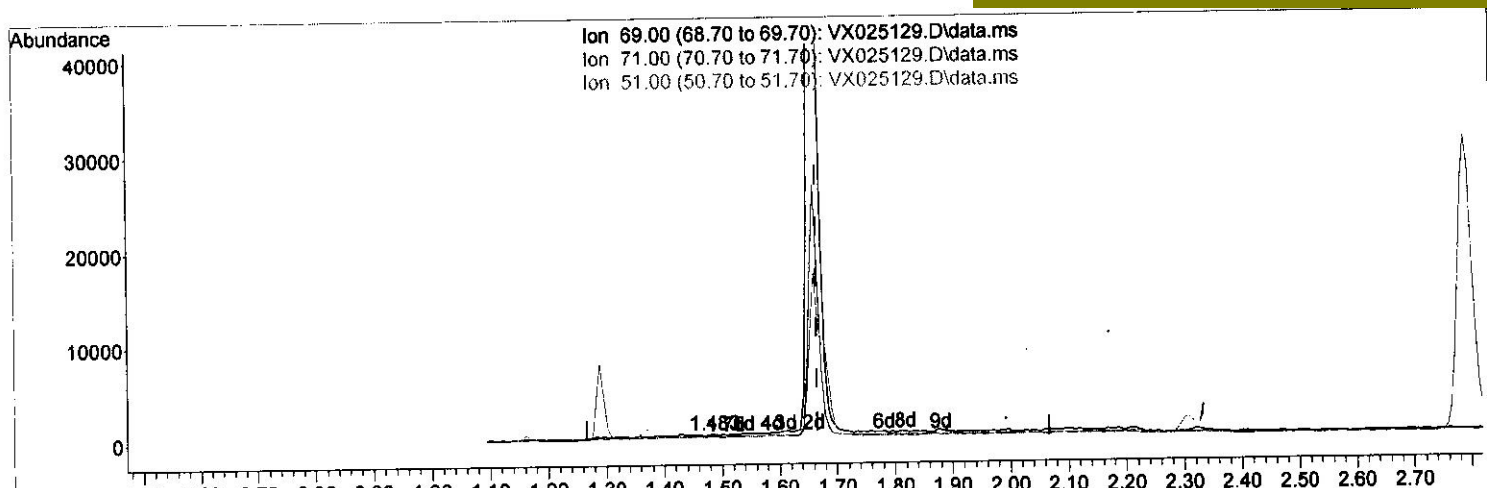
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111121\  
 Data File : VX025129.D  
 Acq On : 11 Nov 2021 14:26  
 Operator : JC/MD  
 Sample : VSTD10033  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 Client Sampled :  
 VSTD100633

Quant Time: Nov 18 03:35:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM111121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 12 12:01:23 2021  
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/12/2021  
 Supervised By : Mahesh Dadoda 11/12/2021



(7) Chloroethane-d5 (S)

1.483min (-0.183) 0.17 ug/L

response 148

Ion	Exp%	Act%
69.00	100.00	100.00
71.00	30.30	37.84
51.00	17.20	14.86
0.00	0.00	0.00

# Quantitation Report (Qedit)

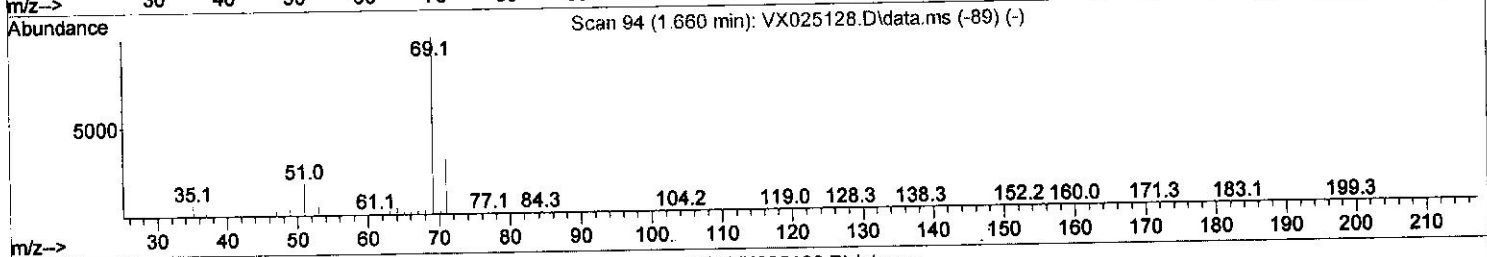
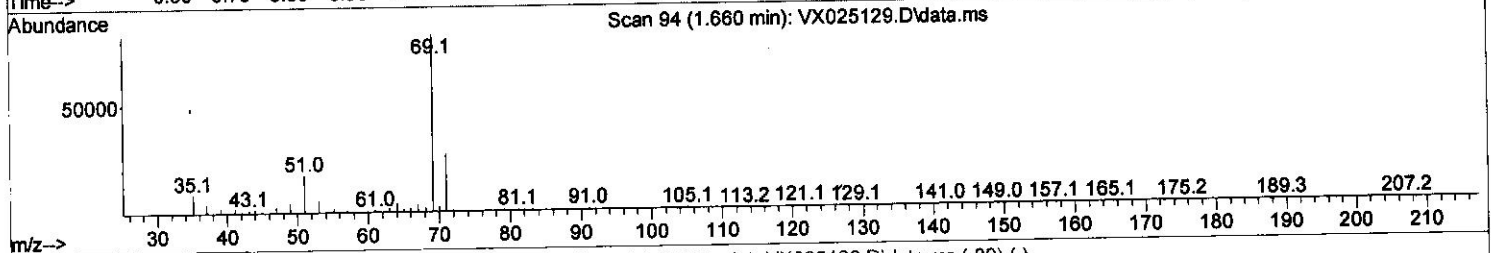
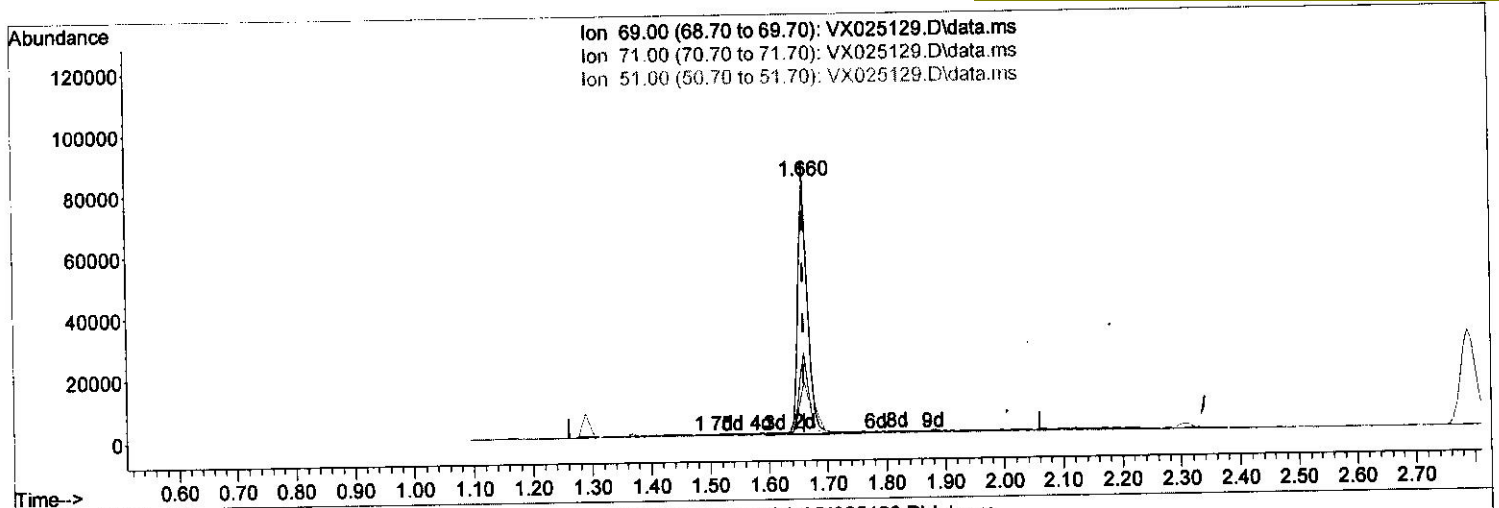
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111121\  
 Data File : VX025129.D  
 Acq On : 11 Nov 2021 14:26  
 Operator : JC/MD  
 Sample : VSTD10033  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 Client Sampled :  
 VSTD100633

Manual Integrations APPROVED

Quant Time: Nov 11 15:05:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML111121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Nov 11 14:40:35 2021  
 Response via : Initial Calibration

Reviewed By : John Carlone 11/12/2021  
 Supervised By : Mahesh Dadoda 11/12/2021



TIC: VX025129.D\data.ms

(7) Chloroethane-d5 (S)

1.660min (+ 0.000) 84.23 ug/L m

response 95774

Ion	Exp%	Act%
69.00	100.00	100.00
71.00	30.30	0.06#
51.00	17.20	0.02#
0.00	0.00	0.00

# Quantitation Report (Qedit)

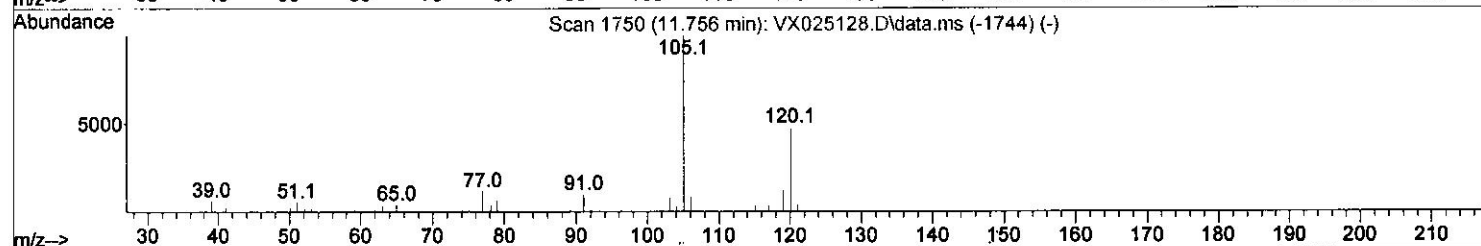
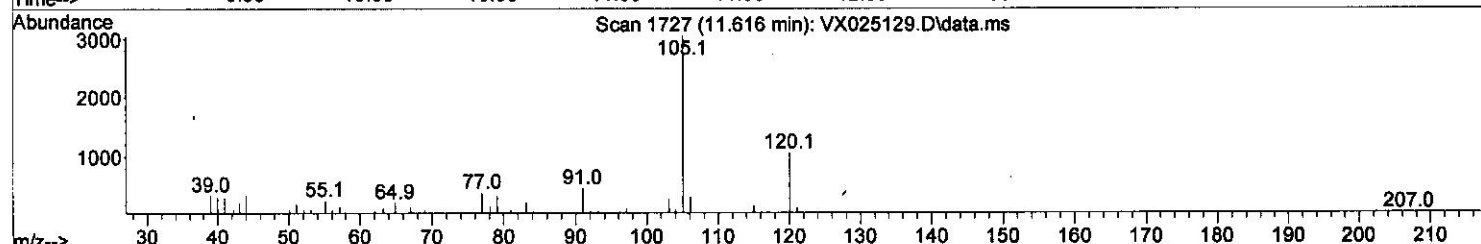
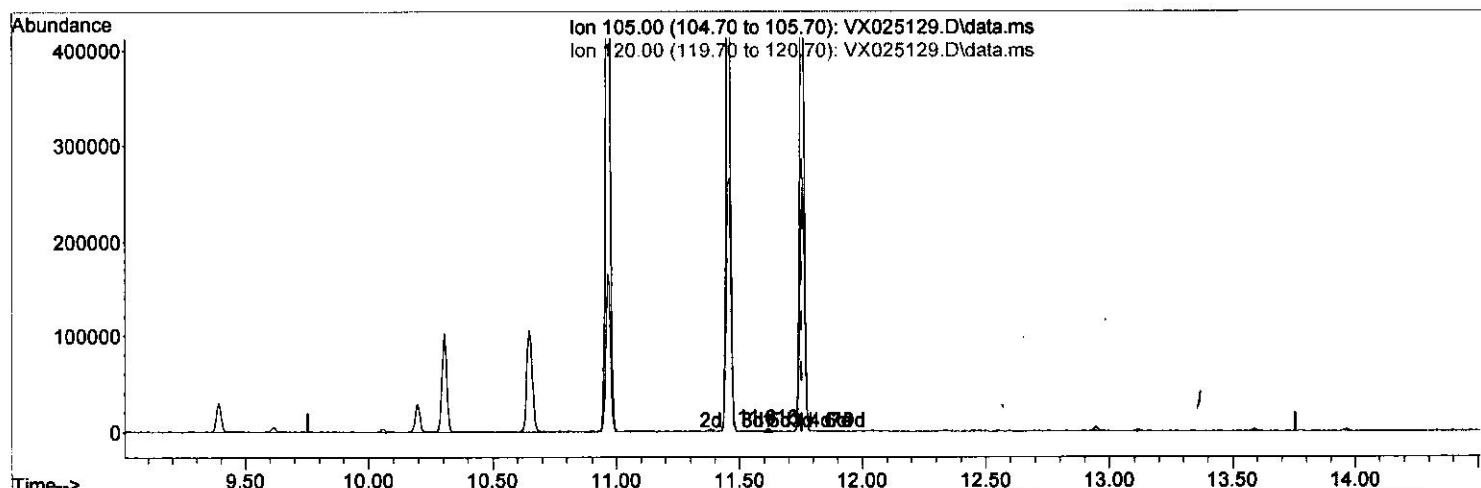
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111121\  
 Data File : VX025129.D  
 Acq On : 11 Nov 2021 14:26  
 Operator : JC/MD  
 Sample : VSTD10033  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 Client Sampled :  
 VSTD100633

Quant Time: Nov 18 03:35:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM111121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 12 12:01:23 2021  
 Response via : Initial Calibration

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 11/12/2021  
 Supervised By :Mahesh Dadoda 11/12/2021



TIC: VX025129.D\data.ms

(63) 1,2,4-Trimethylbenzene

11.616min (-0.140) 0.60 ug/L

response 3958

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	38.80	33.43
0.00	0.00	0.00
0.00	0.00	0.00

# Quantitation Report (Qedit)

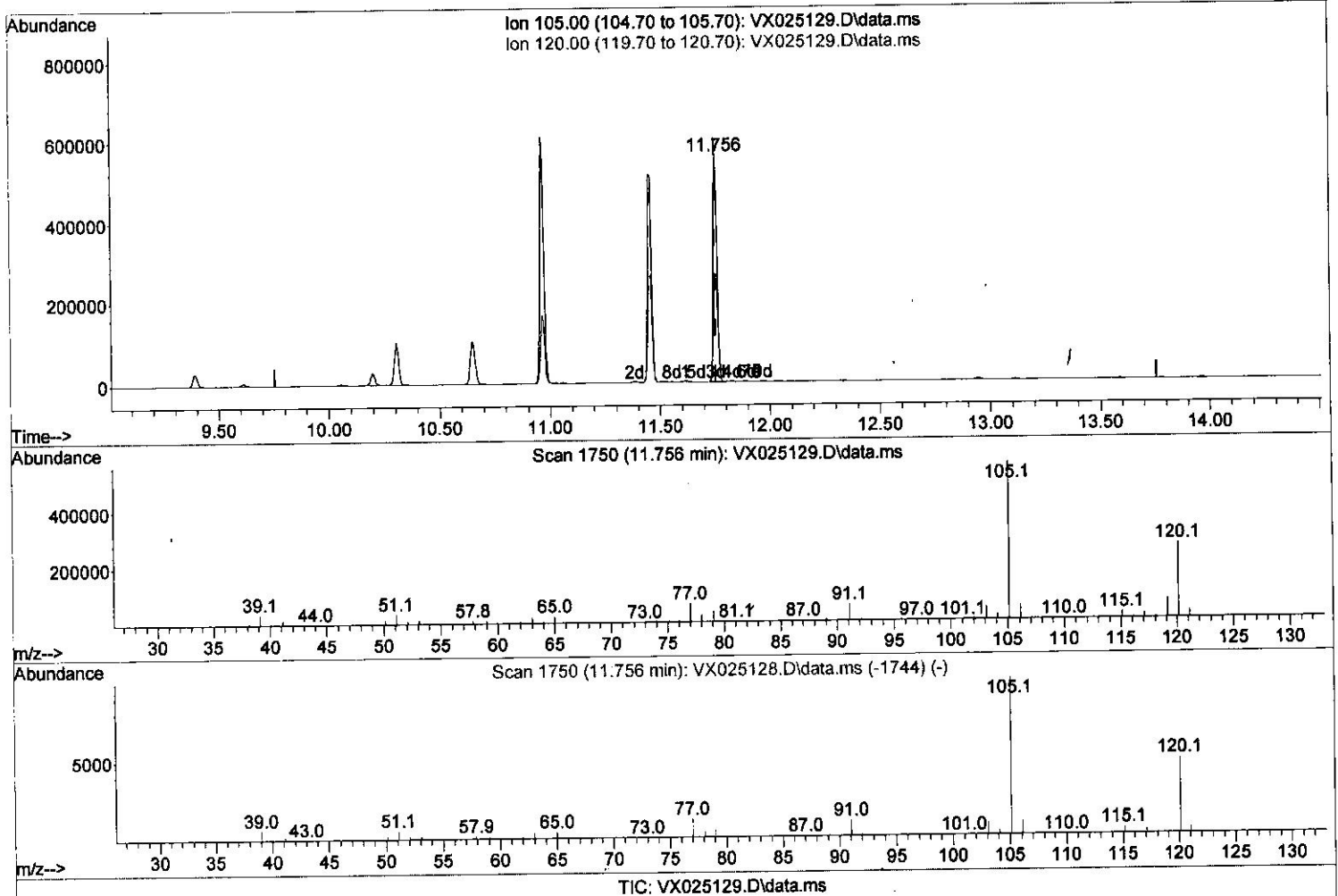
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111121\  
 Data File : VX025129.D  
 Acq On : 11 Nov 2021 14:26  
 Operator : JC/MD  
 Sample : VSTD10033  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 Client Sampled :  
 VSTD100633

Quant Time: Nov 11 15:05:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM111121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Nov 11 14:40:35 2021  
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/12/2021  
 Supervised By : Mahesh Dadoda 11/12/2021



(63) 1,2,4-Trimethylbenzene

11.756min (+ 0.000) 92.19 ug/L m

response 652437

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	38.80	0.20#
0.00	0.00	0.00
0.00	0.00	0.00



## Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111121\  
 Data File : VX025129.D  
 Acq On : 11 Nov 2021 14:26  
 Operator : JC/MD  
 Sample : VSTD10033  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 Client Sampled :  
 VSTD100633

## Manual Integrations APPROVED

Reviewed By : John Carlone 11/12/2021  
 Supervised By : Mahesh Dadoda 11/12/2021

Quant Time: Nov 11 15:05:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM111121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Nov 11 14:40:35 2021  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	226627	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	207293	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	108815	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	152230	78.33	ug/L	0.00
7) Chloroethane-d5	1.660	69	95774m	84.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.306	63	263312	71.10	ug/L	0.00
21) 2-Butanone-d5	4.459	46	234528	172.21	ug/L	0.00
24) Chloroform-d	5.062	84	270270	71.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	159682	65.67	ug/L	0.00
32) Benzene-d6	5.977	84	566384	82.12	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	173127	81.63	ug/L	0.00
41) Toluene-d8	8.653	98	534434	87.42	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	94798	86.15	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	187702	204.70	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	250502	83.75	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	212248	100.66	ug/L	0.00
Target Compounds						
2) Dichlorodifluoromethane	1.166	85	174257	78.03	ug/L	99
3) Chloromethane	1.288	50	189393	111.74	ug/L	88
5) Vinyl chloride	1.374	62	194805	100.69	ug/L	97
6) Bromomethane	1.605	94	70160	62.16	ug/L	97
8) Chloroethane	1.679	64	112340	103.85	ug/L	98
9) Trichlorofluoromethane	1.880	101	287764	83.91	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	148940	83.97	ug/L	97
12) 1,1-Dichloroethene	2.319	96	144007	91.06	ug/L #	81
13) Acetone	2.386	43	203263	153.62	ug/L	97
14) Carbon disulfide	2.508	76	430148	101.93	ug/L	99
15) Methyl Acetate	2.703	43	174487	92.70	ug/L #	81
16) Methylene chloride	2.788	84	154990	87.77	ug/L	85
17) trans-1,2-Dichloroethene	3.093	96	151894	93.50	ug/L	92
18) Methyl tert-butyl Ether	3.117	73	488057	80.34	ug/L #	89
19) 1,1-Dichloroethane	3.611	63	265807	81.29	ug/L	95
20) cis-1,2-Dichloroethene	4.489	96	169885	91.12	ug/L #	98
22) 2-Butanone	4.562	43	283107	176.49	ug/L	84
23) Bromochloromethane	4.904	128	88153	98.92	ug/L #	73
25) Chloroform	5.099	83	271335	76.21	ug/L	100
27) 1,2-Dichloroethane	6.092	62	201098	74.11	ug/L #	89
29) Cyclohexane	5.477	56	261049	87.25	ug/L	86
30) 1,1,1-Trichloroethane	5.385	97	248220	72.21	ug/L #	94
31) Carbon tetrachloride	5.678	117	222682	80.31	ug/L	98
33) Benzene	6.044	78	634251	86.21	ug/L	100
34) Trichloroethene	7.129	95	163682	85.18	ug/L	85
35) Methylcyclohexane	7.385	83	280230	95.17	ug/L	93
37) 1,2-Dichloropropane	7.434	63	158662	91.05	ug/L	99
38) Bromodichloromethane	7.824	83	212967	84.23	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	262322	91.16	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	501617	182.50	ug/L #	84
42) Toluene	8.720	91	694009	94.67	ug/L	96

M 2  
11/15/21

**Quantitation Report (QT Reviewed)**

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111121\  
 Data File : VX025129.D  
 Acq On : 11 Nov 2021 14:26  
 Operator : JC/MD  
 Sample : VSTD10033  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_X  
**Client Sampled :**  
 VSTD100633

Quant Time: Nov 11 15:05:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM111121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Nov 11 14:40:35 2021  
 Response via : Initial Calibration

**Manual Integrations APPROVED**

Reviewed By : John Carlone 11/12/2021  
 Supervised By : Mahesh Dadoda 11/12/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.982	75	256960	92.58	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	158444	99.18	ug/L	99
46) Tetrachloroethene	9.275	164	137976	123.36	ug/L	90
48) 2-Hexanone	9.433	43	411758	184.97	ug/L #	85
49) Dibromochloromethane	9.525	129	183109	106.31	ug/L	99
50) 1,2-Dibromoethane	9.610	107	170438	99.53	ug/L #	96
51) Chlorobenzene	10.079	112	441209	102.65	ug/L	100
52) Ethylbenzene	10.195	91	749659	95.62	ug/L	94
53) m,p-Xylene	10.305	106	304027	104.52	ug/L	78
54) o-Xylene	10.646	106	297138	106.74	ug/L	84
55) Styrene	10.659	104	510370	105.94	ug/L	83
57) 1,1,2,2-Tetrachloroethane	11.213	83	255747	86.52	ug/L	96
59) Bromoform	10.805	173	142076	112.07	ug/L #	94
60) Isopropylbenzene	10.963	105	764654	89.82	ug/L	95
61) 1,2,3-Trichloropropane	11.244	75	201612	80.78	ug/L	94
62) 1,3,5-Trimethylbenzene	11.451	105	650071	89.54	ug/L	88
63) 1,2,4-Trimethylbenzene	11.756	105	652437m	92.19	ug/L	
64) 1,3-Dichlorobenzene	11.969	146	346951	105.83	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	350769	105.27	ug/L	93
67) 1,2-Dichlorobenzene	12.335	146	351810	104.96	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.945	75	61186	81.77	ug/L #	62
69) 1,3,5-Trichlorobenzene	13.116	180	256170	112.39	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	235083	123.34	ug/L	96
71) Naphthalene	13.780	128	818275	122.37	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	236795	127.69	ug/L	96

*MD*  
*11/11/21*

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