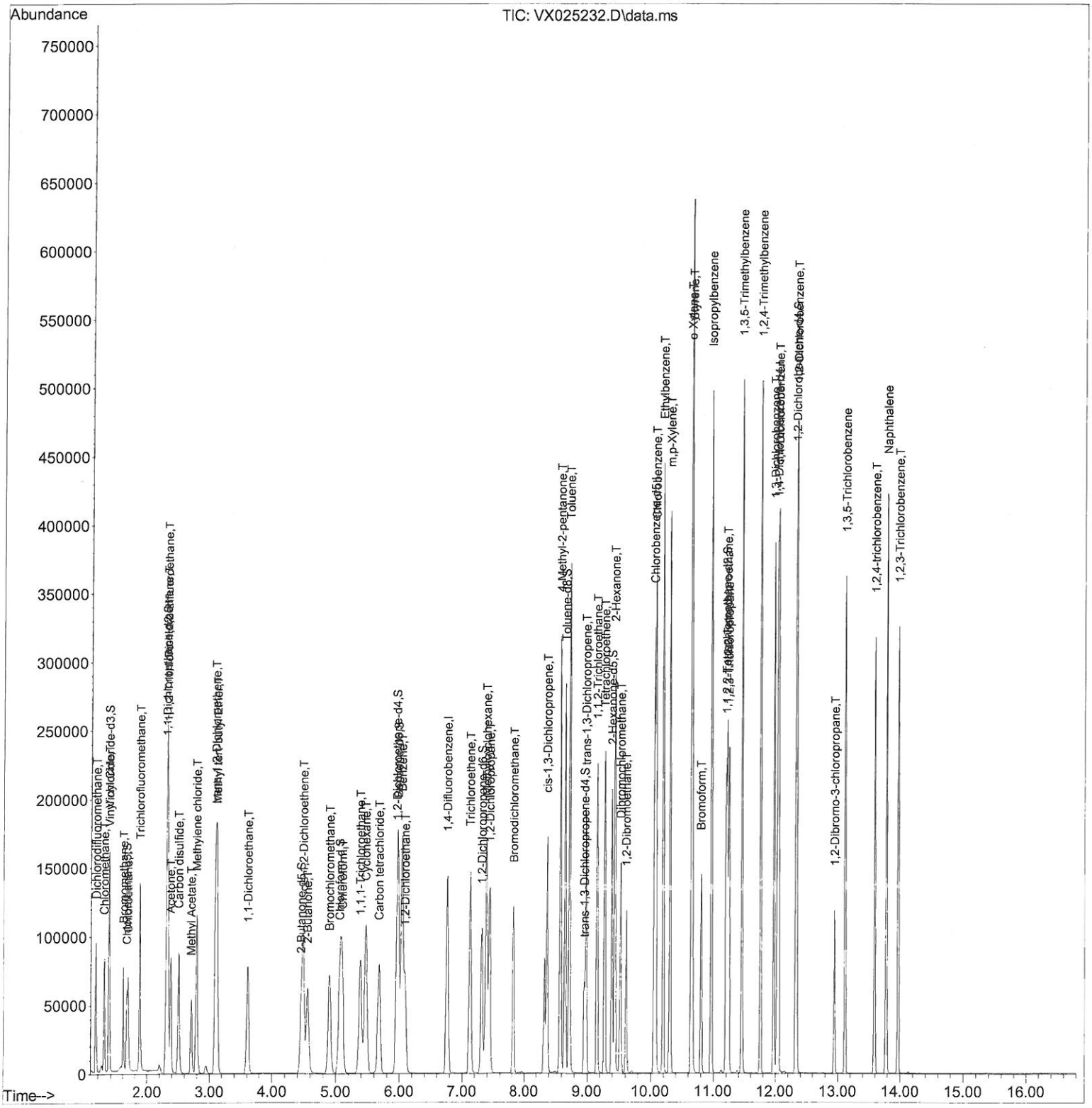
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
Data File : VX025232.D
Acq On : 19 Nov 2021 11:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 00:07:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111121WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 19 05:25:45 2021
Response via : Initial Calibration

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 11/22/2021
Supervised By :Mahesh Dadoda 11/22/2021



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
Data File : VX025232.D
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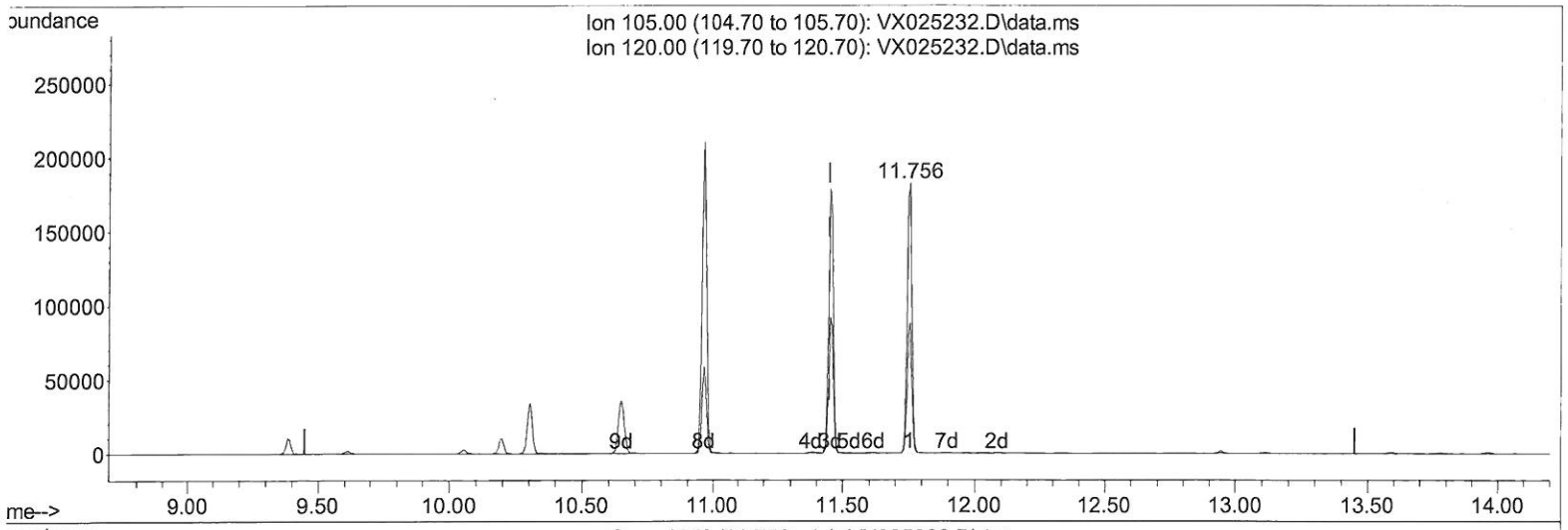

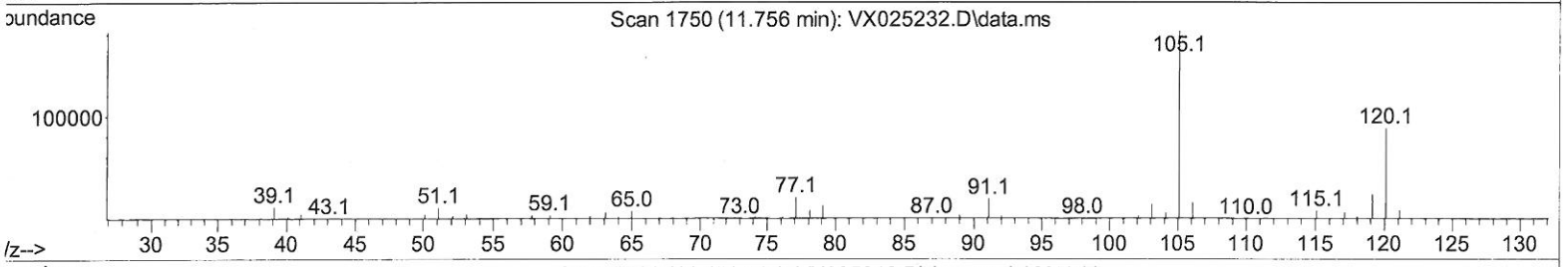

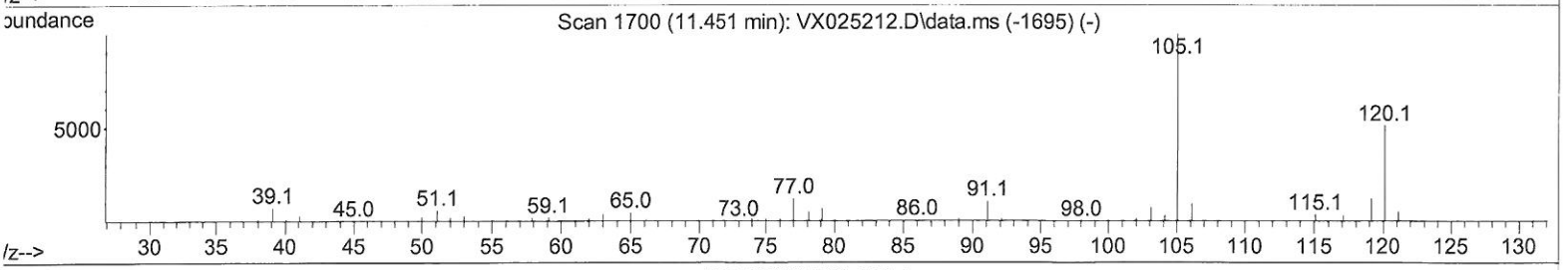

TIC: VX025232.D\data.ms

(62) 1,3,5-Trimethylbenzene

11.756min (+ 0.305) 48.41 ug/L

response 223169

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	43.00	47.52
0.00	0.00	0.00
0.00	0.00	0.00

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Quant Time: Nov 22 00:07:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111121WMA.M
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Instrument :
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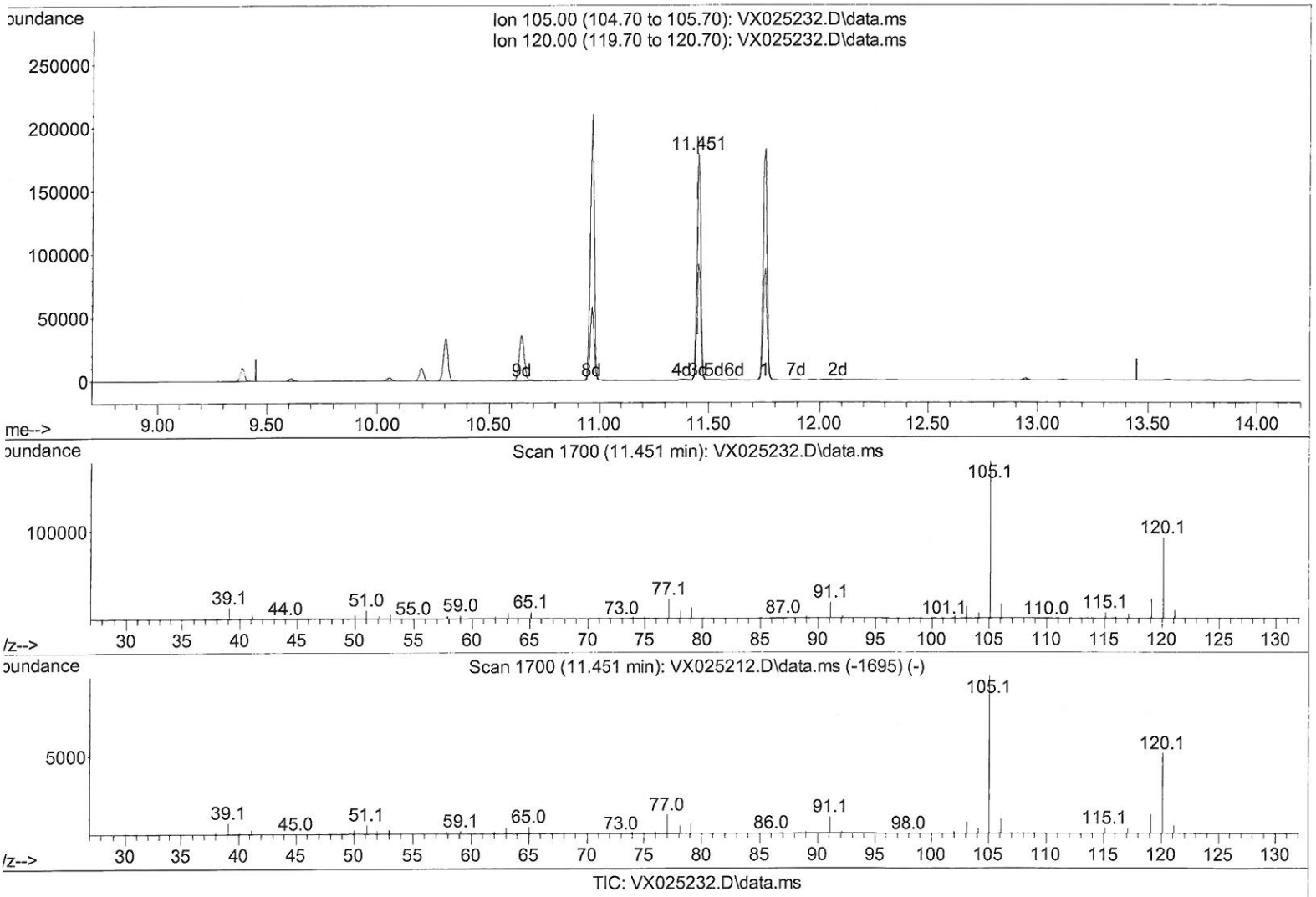

(62) 1,3,5-Trimethylbenzene

11.451min (+ 0.000) 47.78 ug/L m

response 220278

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	43.00	48.15
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
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Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

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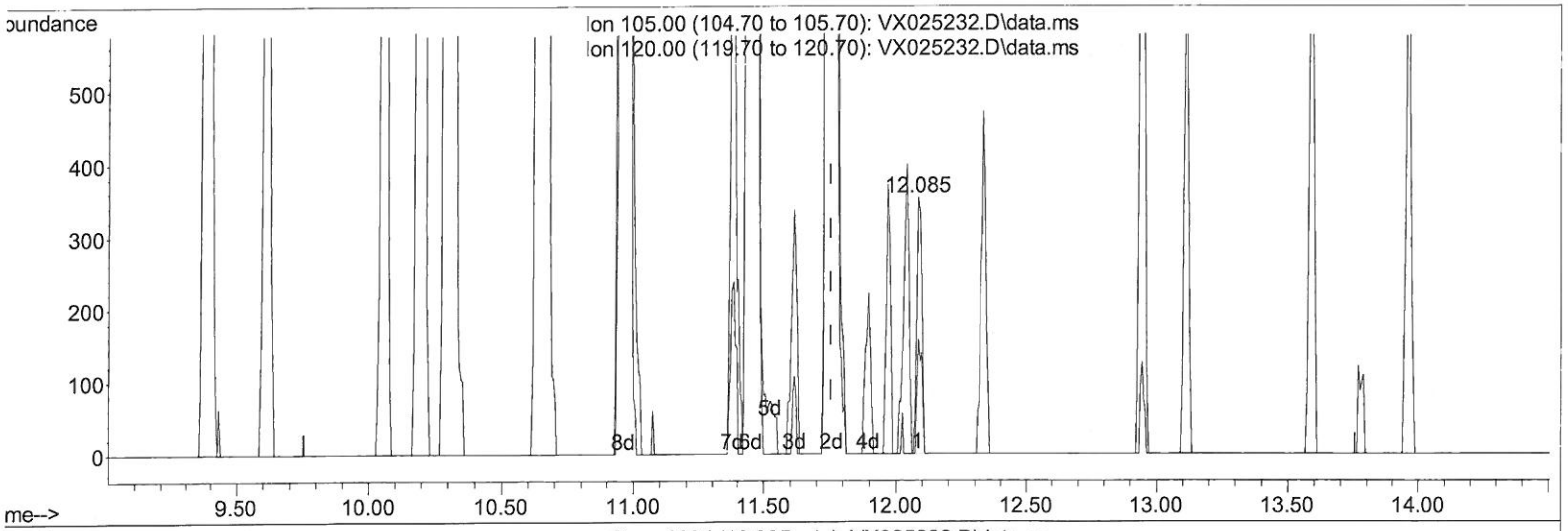

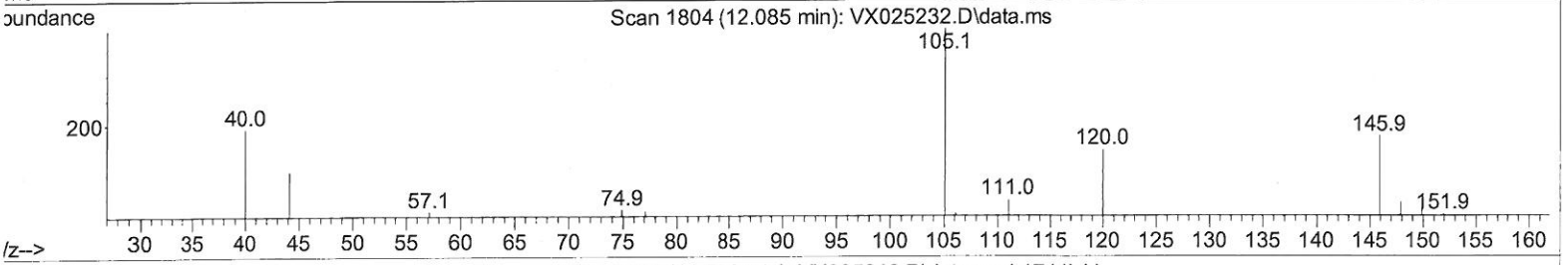

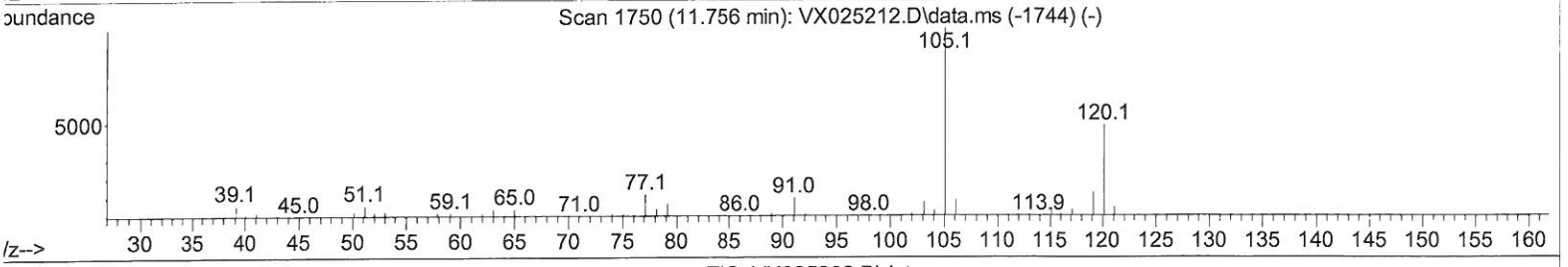

TIC: VX025232.D\data.ms

(63) 1,2,4-Trimethylbenzene

12.085min (+ 0.330) 0.10 ug/L

response 460

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	38.80	43.91
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
Data File : VX025232.D
Acq On : 19 Nov 2021 11:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 00:07:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111121WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 19 05:25:45 2021
Response via : Initial Calibration

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Manual IntegrationsAPPROVED

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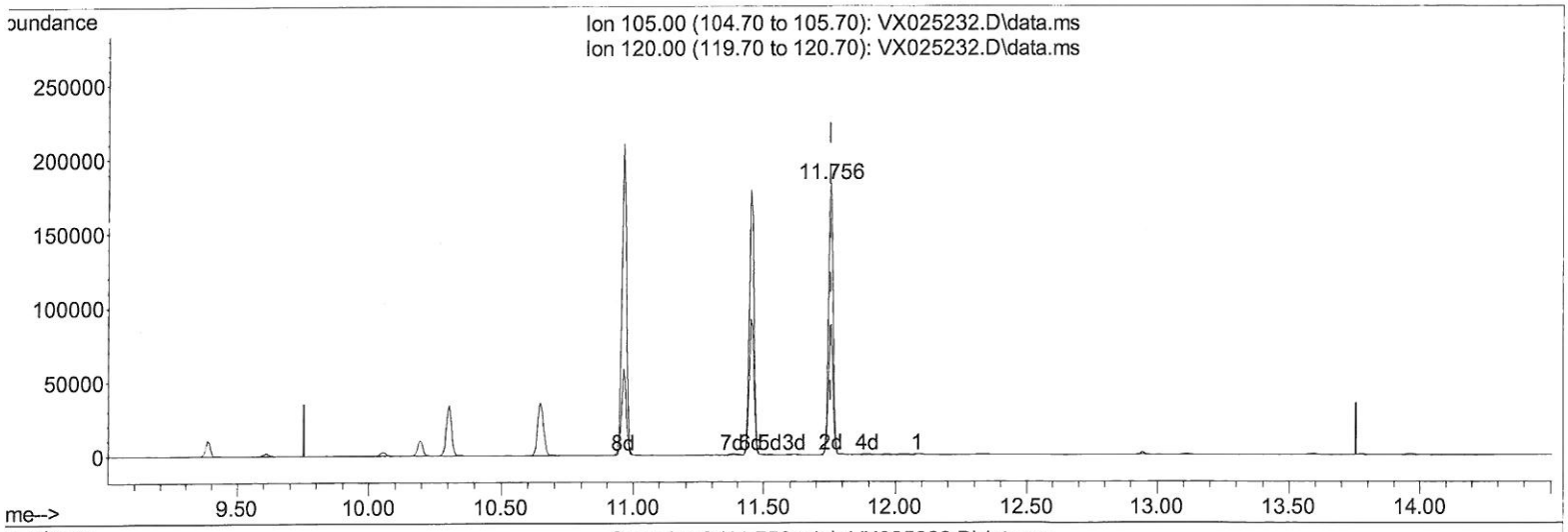

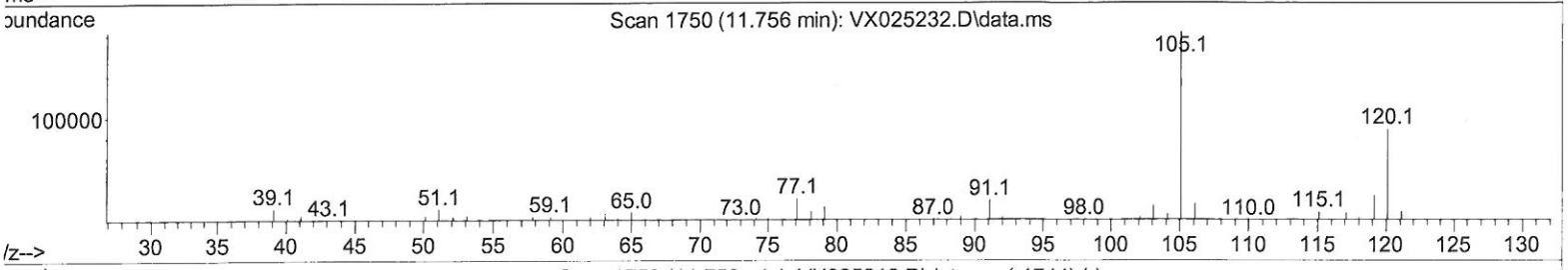

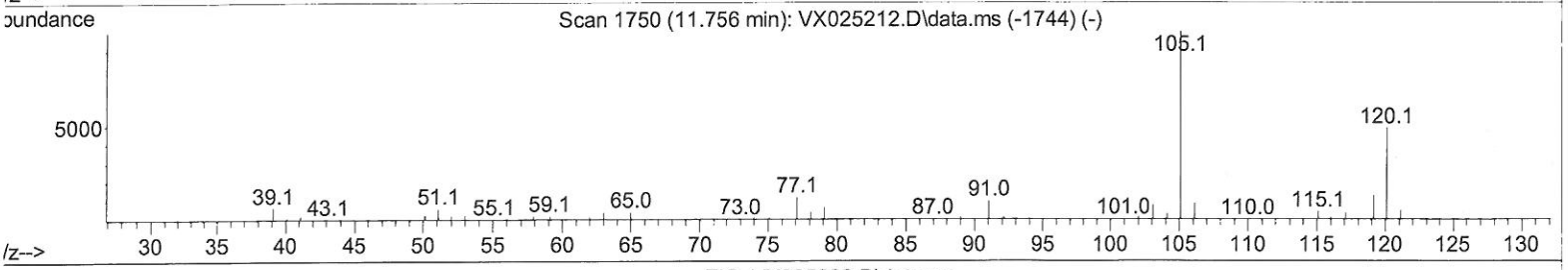

TIC: VX025232.D\data.ms

(63) 1,2,4-Trimethylbenzene

11.756min (+ 0.000) 48.25 ug/L m

7 MD 11/23/21

response 223183

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	38.80	0.09#
0.00	0.00	0.00
0.00	0.00	0.00

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Sample : VSTDCCC050
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Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 11/22/2021
Supervised By :Mahesh Dadoda 11/22/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	157614	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	150846	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	75992	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	50676	47.591	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 95.180%			
7) Chloroethane-d5	1.660	69	41379	68.185	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 136.360%#			
11) 1,1-Dichloroethene-d2	2.307	63	81682	44.601	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 89.200%			
21) 2-Butanone-d5	4.452	46	77003	95.695	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 95.700%			
24) Chloroform-d	5.056	84	89652	47.860	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.720%			
26) 1,2-Dichloroethane-d4	5.958	65	55080	48.510	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.020%			
32) Benzene-d6	5.977	84	183662	44.610	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.220%			
36) 1,2-Dichloropropane-d6	7.312	67	55696	44.305	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 88.620%			
41) Toluene-d8	8.653	98	172176	43.792	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 87.580%			
43) trans-1,3-Dichloroprop...	8.952	79	28728	42.097	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 84.200%			
47) 2-Hexanone-d5	9.385	63	59980	88.853	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 88.850%			
56) 1,1,2,2-Tetrachloroeth...	11.195	84	81416	44.966	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 89.940%			
66) 1,2-Dichlorobenzene-d4	12.323	152	69077	45.855	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	48645	39.490	ug/L	98
3) Chloromethane	1.295	50	50901	38.168	ug/L	87
5) Vinyl chloride	1.374	62	57505	41.815	ug/L	99
6) Bromomethane	1.599	94	27915	52.897	ug/L	98
8) Chloroethane	1.679	64	38597	55.890	ug/L	98
9) Trichlorofluoromethane	1.880	101	88017	43.847	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	47737	45.892	ug/L	97
12) 1,1-Dichloroethene	2.319	96	44103	43.887	ug/L	82
13) Acetone	2.380	43	85040	112.664	ug/L	100
14) Carbon disulfide	2.508	76	110000	35.526	ug/L	98
15) Methyl Acetate	2.703	43	61725	50.228	ug/L #	82
16) Methylene chloride	2.788	84	54751	49.251	ug/L	83
17) trans-1,2-Dichloroethene	3.093	96	48593	44.524	ug/L	91
18) Methyl tert-butyl Ether	3.117	73	175891	51.561	ug/L #	89
19) 1,1-Dichloroethane	3.611	63	89431	48.442	ug/L	95
20) cis-1,2-Dichloroethene	4.489	96	59098	48.940	ug/L	98
22) 2-Butanone	4.556	43	107211	106.702	ug/L	85
23) Bromochloromethane	4.898	128	32884	52.894	ug/L #	81

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Manual IntegrationsAPPROVED

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
25) Chloroform	5.099	83	97406	51.478 ug/L	99
27) 1,2-Dichloroethane	6.086	62	72764	52.447 ug/L #	88
29) Cyclohexane	5.471	56	75695	39.278 ug/L	88
30) 1,1,1-Trichloroethane	5.385	97	84476	45.573 ug/L #	93
31) Carbon tetrachloride	5.678	117	73962	45.188 ug/L	99
33) Benzene	6.038	78	211817	45.704 ug/L	100
34) Trichloroethene	7.123	95	55289	45.653 ug/L	83
35) Methylcyclohexane	7.379	83	82397	40.234 ug/L	95
37) 1,2-Dichloropropane	7.434	63	54672	47.092 ug/L	100
38) Bromodichloromethane	7.824	83	76475	48.676 ug/L	99
39) cis-1,3-Dichloropropene	8.366	75	87921	46.121 ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	182564	98.945 ug/L #	84
42) Toluene	8.720	91	235110	46.706 ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	88629	47.772 ug/L	95
45) 1,1,2-Trichloroethane	9.153	97	59881	51.079 ug/L	99
46) Tetrachloroethene	9.275	164	46773	46.290 ug/L	89
48) 2-Hexanone	9.433	43	151547	100.203 ug/L #	84
49) Dibromochloromethane	9.525	129	68262	51.008 ug/L	99
50) 1,2-Dibromoethane	9.610	107	63694	50.767 ug/L #	97
51) Chlorobenzene	10.080	112	160212	49.533 ug/L	97
52) Ethylbenzene	10.195	91	253576	46.864 ug/L	93
53) m,p-Xylene	10.305	106	104090	47.580 ug/L	76
54) o-Xylene	10.640	106	104936	48.610 ug/L	83
55) Styrene	10.659	104	178119	48.591 ug/L	79
57) 1,1,2,2-Tetrachloroethane	11.213	83	93444	50.204 ug/L	97
59) Bromoform	10.799	173	53718	52.307 ug/L #	96
60) Isopropylbenzene	10.964	105	257458	47.380 ug/L	94
61) 1,2,3-Trichloropropane	11.238	75	74857	52.314 ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	220278m	47.780 ug/L	
63) 1,2,4-Trimethylbenzene	11.756	105	223183m	48.251 ug/L	
64) 1,3-Dichlorobenzene	11.969	146	127221	51.360 ug/L	94
65) 1,4-Dichlorobenzene	12.043	146	126461	51.099 ug/L	93
67) 1,2-Dichlorobenzene	12.335	146	125458	50.994 ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.945	75	20361	49.199 ug/L #	61
69) 1,3,5-Trichlorobenzene	13.116	180	87832	49.012 ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	77410	49.521 ug/L	96
71) Naphthalene	13.780	128	276902	52.238 ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	77167	49.795 ug/L	94

MD 11/23/21

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