

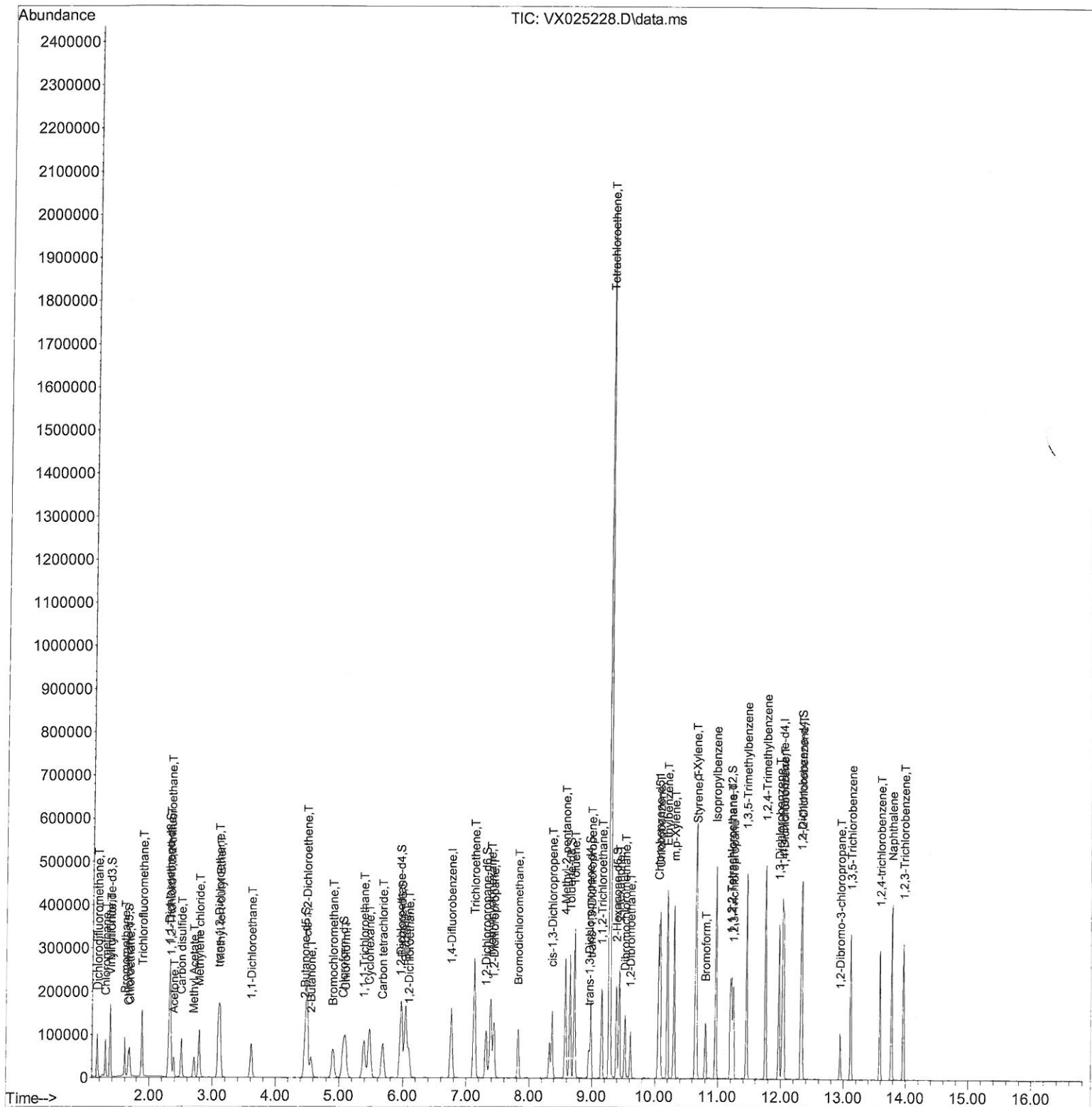
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
Data File : VX025228.D
Acq On : 18 Nov 2021 22:41
Operator : JC/MD
Sample : M4677-07MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
H0AB5MS

Manual IntegrationsAPPROVED

Quant Time: Nov 19 05:31:36 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

Reviewed By :John Carlone 11/19/2021
Supervised By :Mahesh Dadoda 11/22/2021



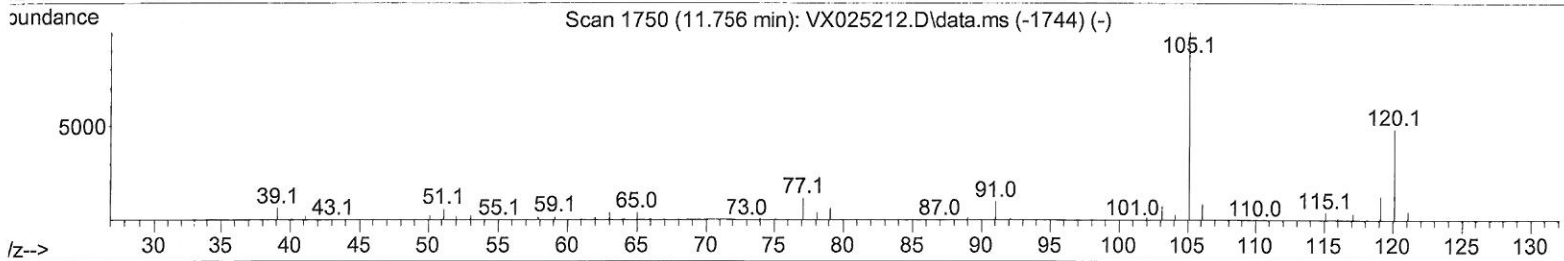
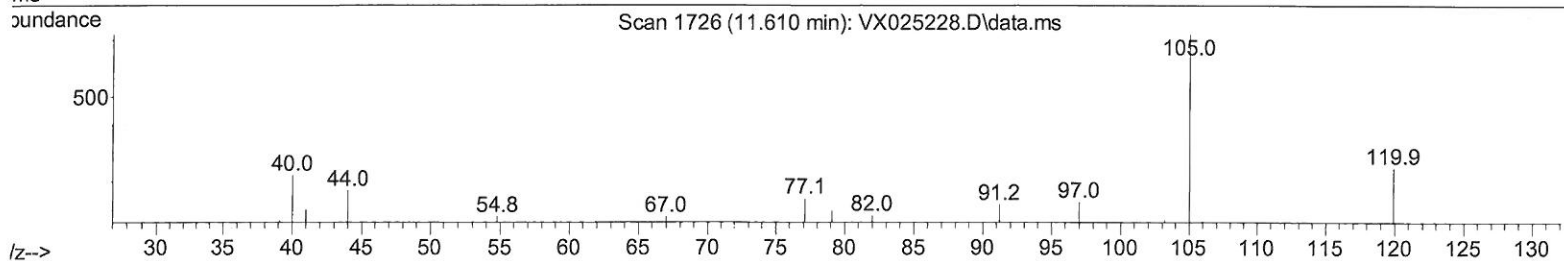
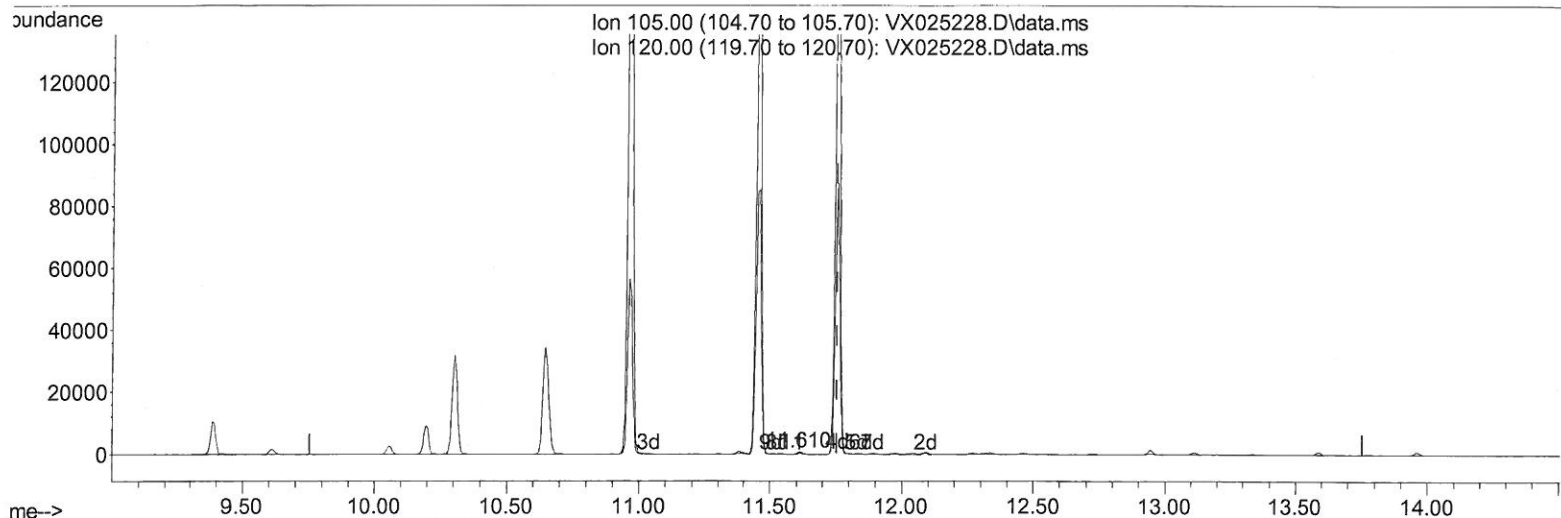
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
 Data File : VX025228.D
 Acq On : 18 Nov 2021 22:41
 Operator : JC/MD
 Sample : M4677-07MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 H0AB5MS

Manual IntegrationsAPPROVED

Quant Time: Nov 19 05:31:36 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

Reviewed By :John Carlone 11/19/2021
 Supervised By :Mahesh Dadoda 11/22/2021



TIC: VX025228.D\data.ms

(63) 1,2,4-Trimethylbenzene

11.610min (-0.146) 0.20 ug/L

response 996

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	38.80	38.76
0.00	0.00	0.00
0.00	0.00	0.00

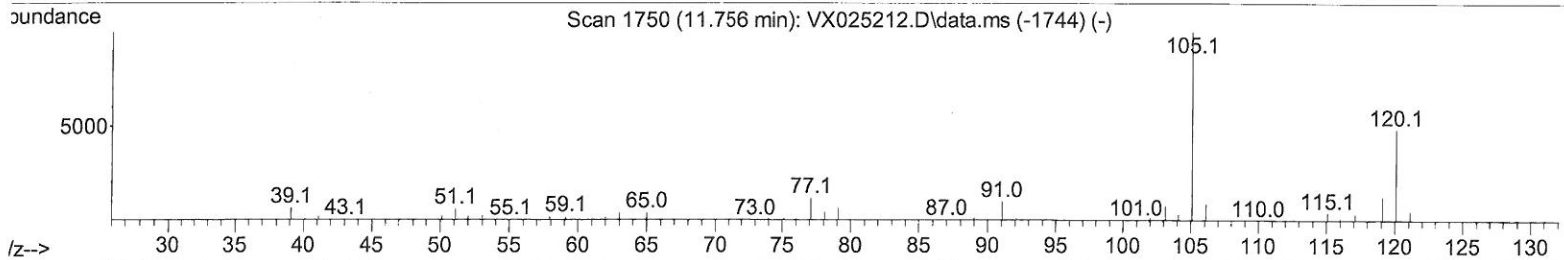
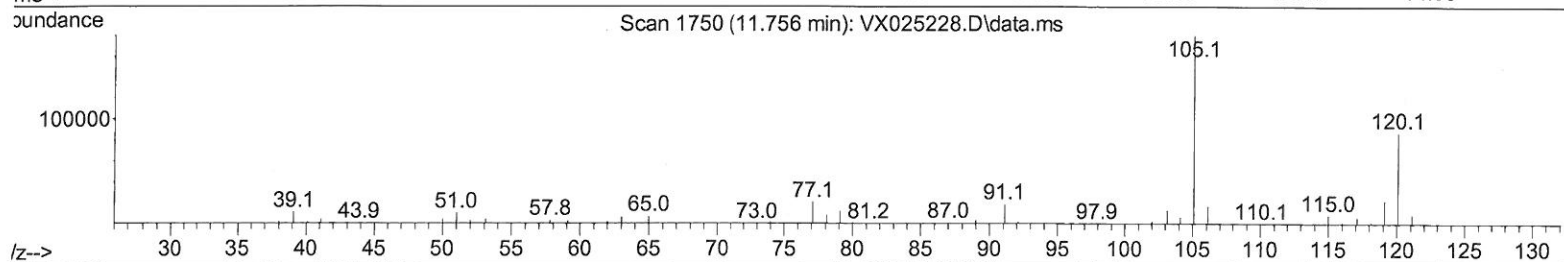
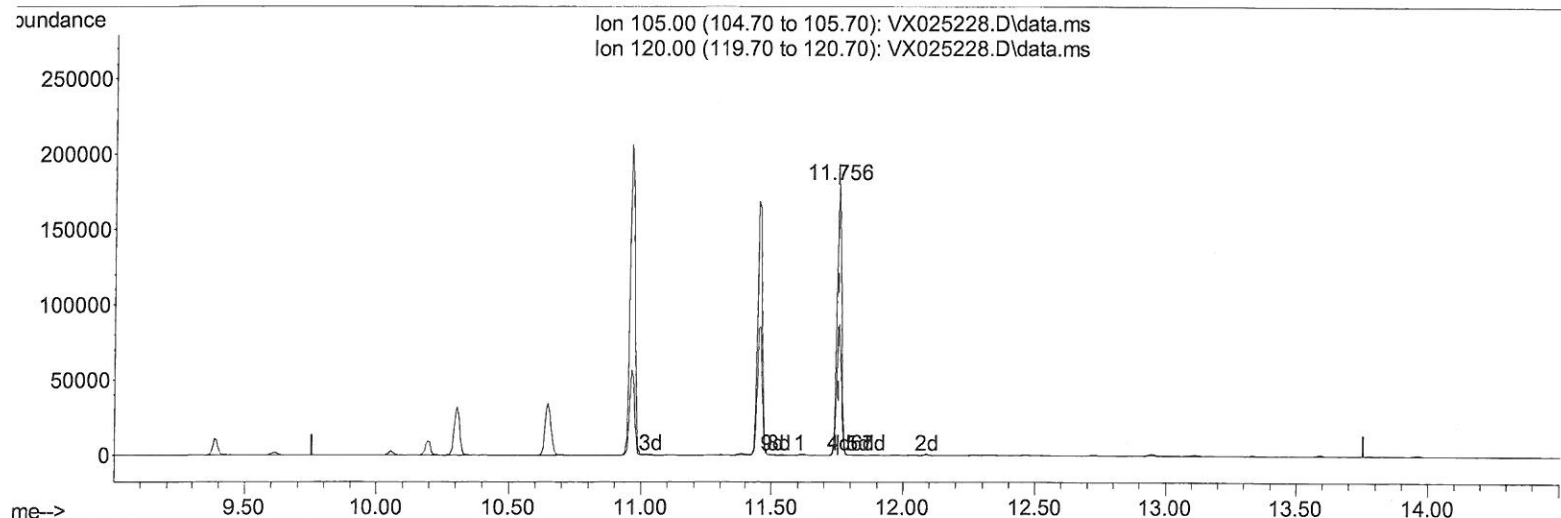
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
 Data File : VX025228.D
 Acq On : 18 Nov 2021 22:41
 Operator : JC/MD
 Sample : M4677-07MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 H0AB5MS

Manual IntegrationsAPPROVED

Quant Time: Nov 19 05:31:36 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

Reviewed By :John Carlone 11/19/2021
 Supervised By :Mahesh Dadoda 11/22/2021



TIC: VX025228.D\data.ms

(63) 1,2,4-Trimethylbenzene

11.756min (+ 0.000) 43.82 ug/L m

response 217711

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	38.80	0.18#
0.00	0.00	0.00
0.00	0.00	0.00

MD
 11/23/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
 Data File : VX025228.D
 Acq On : 18 Nov 2021 22:41
 Operator : JC/MD
 Sample : M4677-07MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 H0AB5MS

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 11/19/2021
 Supervised By :Mahesh Dadoda 11/22/2021

Quant Time: Nov 19 05:31:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML111121WMA.M
 Quant Title : VOC Analysis
 Last Update : Fri Nov 19 05:25:45 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	175202	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	161587	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	81616	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	44812	37.860	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.720%
7) Chloroethane-d5	1.660	69	39009	57.826	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.660%
11) 1,1-Dichloroethene-d2	2.307	63	79553	39.078	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.160%
21) 2-Butanone-d5	4.459	46	79420	88.791	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.790%
24) Chloroform-d	5.062	84	90880	43.645	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.280%
26) 1,2-Dichloroethane-d4	5.958	65	55512	43.982	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.960%
32) Benzene-d6	5.977	84	181828	41.229	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.460%
36) 1,2-Dichloropropane-d6	7.312	67	56081	41.646	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.300%
41) Toluene-d8	8.653	98	169986	40.361	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.720%
43) trans-1,3-Dichloroprop...	8.952	79	28673	39.224	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.440%
47) 2-Hexanone-d5	9.385	63	61988	85.723	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.720%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	84292	43.460	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.920%
66) 1,2-Dichlorobenzene-d4	12.323	152	71100	43.946	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.900%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	50731	37.049	ug/L 98
3) Chloromethane	1.295	50	51205	34.542	ug/L 89
5) Vinyl chloride	1.374	62	61070	39.949	ug/L 98
6) Bromomethane	1.599	94	33115	56.451	ug/L 97
8) Chloroethane	1.685	64	38658	50.359	ug/L 97
9) Trichlorofluoromethane	1.886	101	94613	42.402	ug/L 100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	47884	41.413	ug/L 96
12) 1,1-Dichloroethene	2.319	96	44675	39.993	ug/L # 83
13) Acetone	2.386	43	47630	56.767	ug/L 99
14) Carbon disulfide	2.508	76	112861	32.791	ug/L 99
15) Methyl Acetate	2.703	43	53095	38.868	ug/L # 81
16) Methylene chloride	2.788	84	52154	42.205	ug/L 82
17) trans-1,2-Dichloroethene	3.093	96	51140	42.154	ug/L 88
18) Methyl tert-butyl Ether	3.117	73	165891	43.748	ug/L # 90
19) 1,1-Dichloroethane	3.611	63	87398	42.589	ug/L 95
20) cis-1,2-Dichloroethene	4.489	96	140169	104.425	ug/L 100
22) 2-Butanone	4.562	43	81835	73.271	ug/L 85
23) Bromochloromethane	4.898	128	30141	43.615	ug/L # 81

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
 Data File : VX025228.D
 Acq On : 18 Nov 2021 22:41
 Operator : JC/MD
 Sample : M4677-07MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 H0AB5MS

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 11/19/2021
 Supervised By :Mahesh Dadoda 11/22/2021

Quant Time: Nov 19 05:31:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111121WMA.M
 Quant Title : VOC Analysis
 Last Update : Fri Nov 19 05:25:45 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.093	83	95434	45.372	ug/L	100
27) 1,2-Dichloroethane	6.092	62	70072	45.437	ug/L #	89
29) Cyclohexane	5.471	56	79451	38.486	ug/L	87
30) 1,1,1-Trichloroethane	5.385	97	85196	42.906	ug/L #	93
31) Carbon tetrachloride	5.678	117	75359	42.981	ug/L	98
33) Benzene	6.044	78	205279	41.349	ug/L	100
34) Trichloroethene	7.129	95	102825	79.260	ug/L	84
35) Methylcyclohexane	7.385	83	88206	40.207	ug/L	94
37) 1,2-Dichloropropane	7.434	63	51806	41.657	ug/L	100
38) Bromodichloromethane	7.824	83	71835	42.683	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	82715	40.506	ug/L	97
40) 4-Methyl-2-pentanone	8.574	43	165556	83.762	ug/L #	85
42) Toluene	8.720	91	227458	42.182	ug/L	96
44) trans-1,3-Dichloropropene	8.982	75	79372	39.938	ug/L	94
45) 1,1,2-Trichloroethane	9.153	97	55383	44.102	ug/L	98
46) Tetrachloroethene	9.275	164	393710	363.744	ug/L	90
48) 2-Hexanone	9.433	43	125981	77.762	ug/L #	86
49) Dibromochloromethane	9.525	129	64863	45.246	ug/L	99
50) 1,2-Dibromoethane	9.610	107	59204	44.051	ug/L #	96
51) Chlorobenzene	10.080	112	169516	48.926	ug/L	96
52) Ethylbenzene	10.195	91	248555	42.882	ug/L	93
53) m,p-Xylene	10.305	106	99100	42.288	ug/L	77
54) o-Xylene	10.646	106	98458	42.577	ug/L	80
55) Styrene	10.659	104	168456	42.900	ug/L	80
57) 1,1,2,2-Tetrachloroethane	11.213	83	86186	43.227	ug/L	97
59) Bromoform	10.805	173	48297	43.787	ug/L #	96
60) Isopropylbenzene	10.964	105	255508	43.781	ug/L	94
61) 1,2,3-Trichloropropane	11.244	75	67754	44.087	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	214357	43.291	ug/L	87
63) 1,2,4-Trimethylbenzene	11.756	105	217711m	43.825	ug/L	
64) 1,3-Dichlorobenzene	11.969	146	118626	44.590	ug/L	95
65) 1,4-Dichlorobenzene	12.043	146	118164	44.457	ug/L	92
67) 1,2-Dichlorobenzene	12.335	146	119128	45.085	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.945	75	19043	42.843	ug/L #	62
69) 1,3,5-Trichlorobenzene	13.116	180	82974	43.111	ug/L	96
70) 1,2,4-trichlorobenzene	13.591	180	73865	43.997	ug/L	98
71) Naphthalene	13.780	128	260589	45.773	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	75990	45.657	ug/L	96

7 MD
 11/23/21

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