

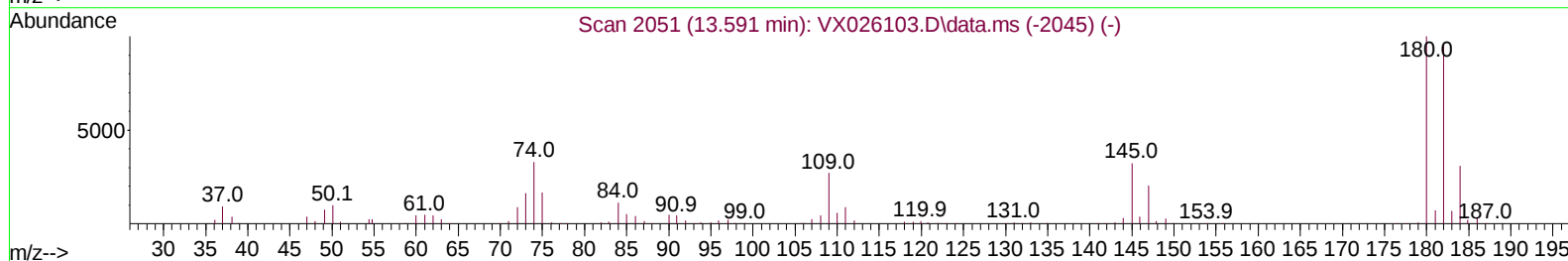
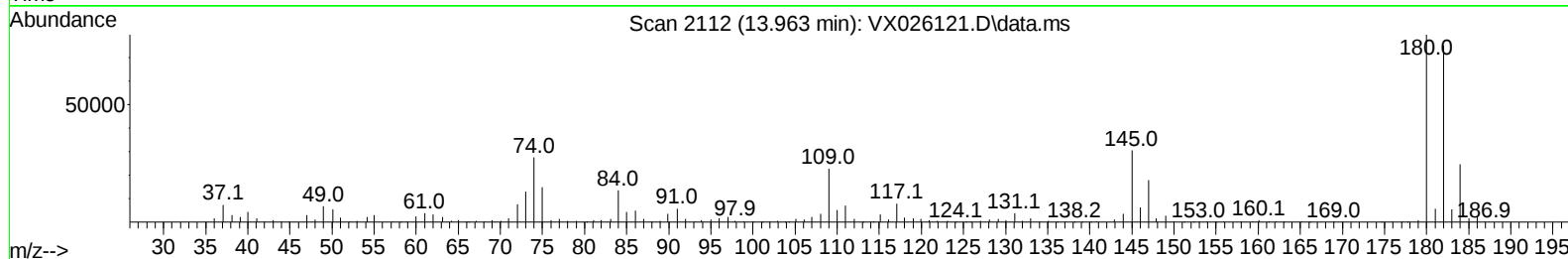
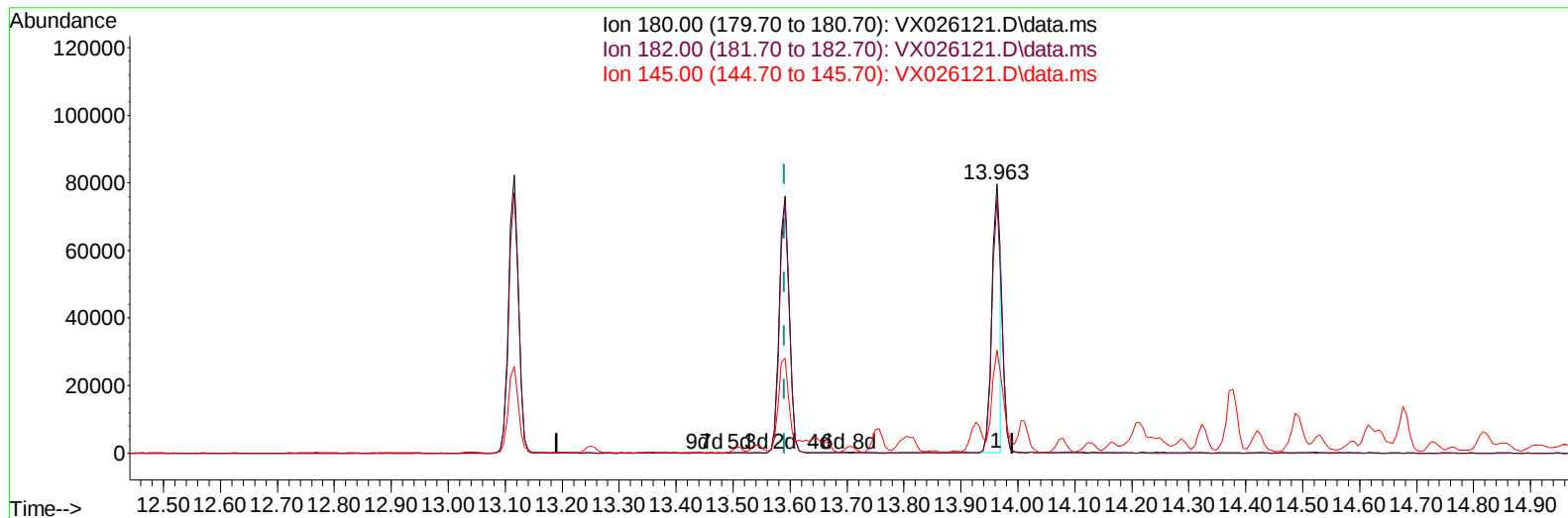
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122821\
Data File : VX026121.D
Acq On : 29 Dec 2021 00:37
Operator : JC/MD
Sample : M5233-02MS 10X
Misc : 8.88g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GBCC1MS

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 12/29/2021
Supervised By :Semsettin Yesilyurt 01/02/2022

Quant Time: Dec 29 04:36:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM122821WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 29 04:20:17 2021
Response via : Initial Calibration



TIC: VX026121.D\data.ms

(70) 1,2,4-trichlorobenzene (T)

13.963min (+ 0.372) 51.74 ug/L

response 83467

Ion	Exp%	Act%
180.00	100.00	100.00
182.00	93.50	92.84
145.00	31.10	31.95
0.00	0.00	0.00

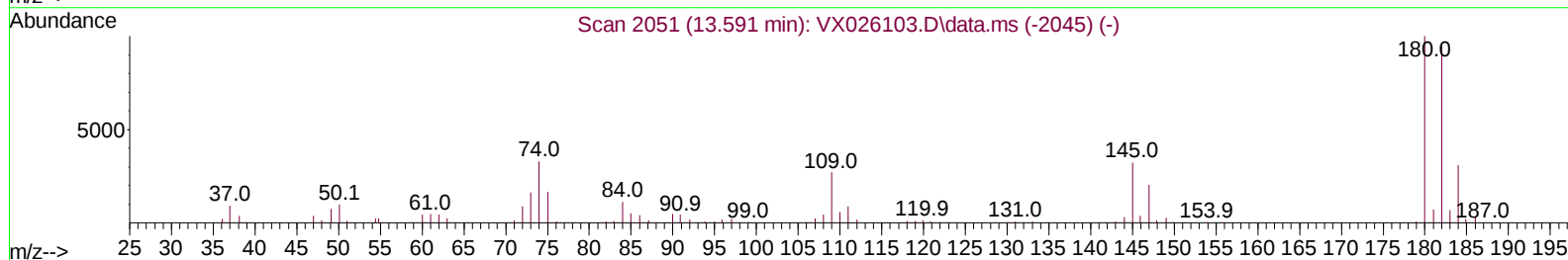
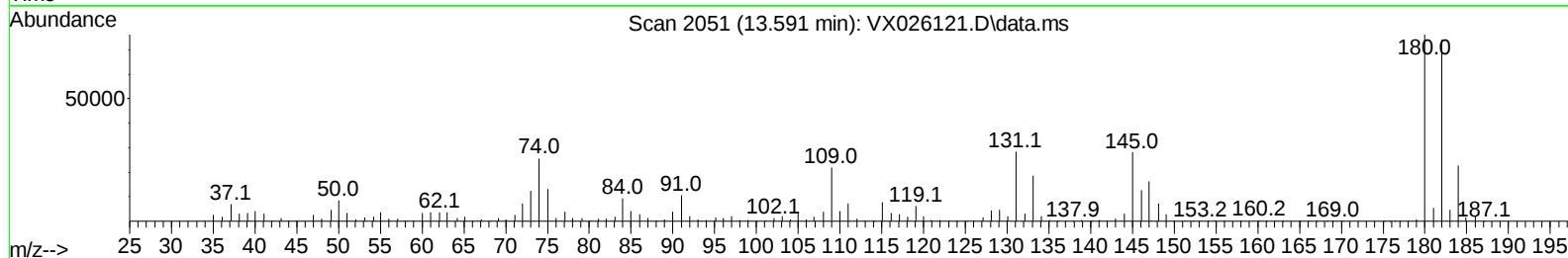
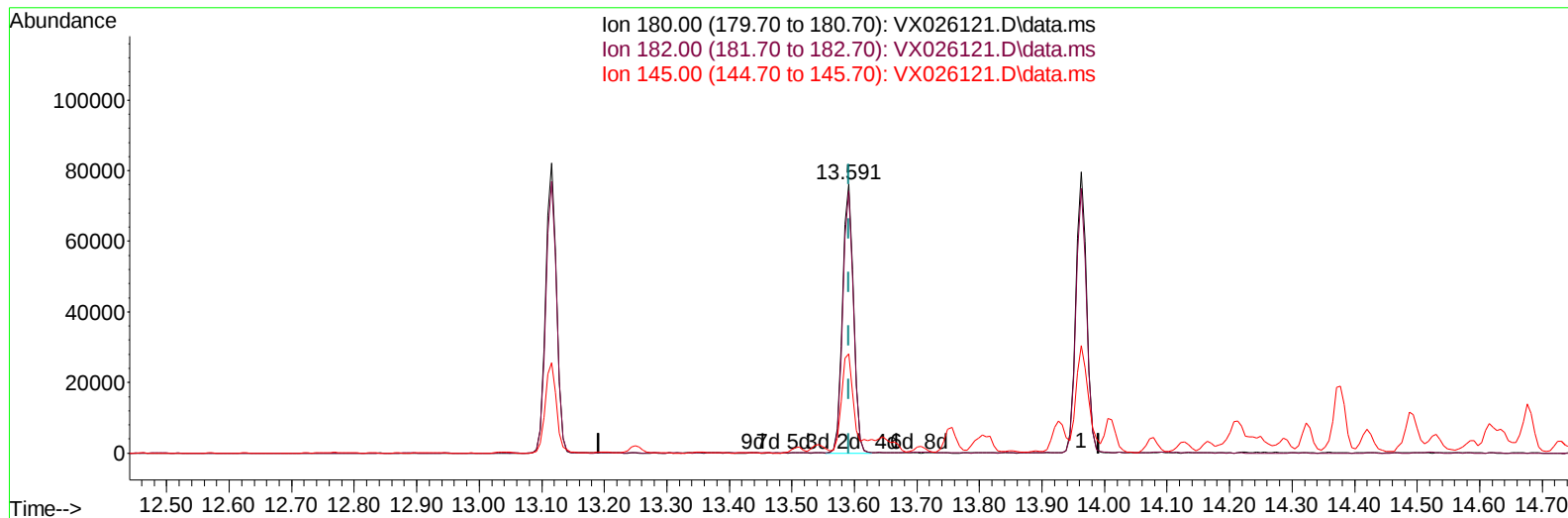
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(70) 1,2,4-trichlorobenzene (T)

13.591min (+ 0.000) 58.01 ug/L m

response 93583

Ion	Exp%	Act%
180.00	100.00	100.00
182.00	93.50	82.81
145.00	31.10	28.49
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	197876	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	176733	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	90038	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	83477	54.354	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	108.700%	
7) Chloroethane-d5	1.666	69	62005	55.537	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	111.080%	
11) 1,1-Dichloroethene-d2	2.313	63	159001	56.718	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	113.440%	
21) 2-Butanone-d5	4.465	46	119056	112.185	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	112.190%	
24) Chloroform-d	5.062	84	145566	55.810	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	111.620%	
26) 1,2-Dichloroethane-d4	5.964	65	97313	57.557	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	115.120%	
32) Benzene-d6	5.976	84	282592	55.461	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	110.920%	
36) 1,2-Dichloropropane-d6	7.312	67	88679	56.259	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	112.520%	
41) Toluene-d8	8.653	98	263291	56.659	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	113.320%	
43) trans-1,3-Dichloroprop...	8.952	79	44489	57.819	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	115.640%	
47) 2-Hexanone-d5	9.390	63	82765	112.585	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	112.580%	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	124006	59.112	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	118.220%	
66) 1,2-Dichlorobenzene-d4	12.323	152	97510	56.774	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	113.540%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	100398	52.624	ug/L	100
3) Chloromethane	1.294	50	87682	52.806	ug/L	98
5) Vinyl chloride	1.380	62	87656	52.594	ug/L	99
6) Bromomethane	1.611	94	46045	47.452	ug/L	100
8) Chloroethane	1.685	64	54014	55.038	ug/L	98
9) Trichlorofluoromethane	1.892	101	138987	54.389	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	76458	58.966	ug/L	99
12) 1,1-Dichloroethene	2.325	96	71691	59.427	ug/L	93
13) Acetone	2.386	43	78499	78.106	ug/L	99
14) Carbon disulfide	2.514	76	188441	49.748	ug/L	100
15) Methyl Acetate	2.709	43	85712	54.196	ug/L	99
16) Methylene chloride	2.794	84	69471	51.704	ug/L	96
17) trans-1,2-Dichloroethene	3.099	96	65892	51.888	ug/L	98
18) Methyl tert-butyl Ether	3.117	73	216331	53.286	ug/L #	90
19) 1,1-Dichloroethane	3.617	63	199560	85.382	ug/L	99
20) cis-1,2-Dichloroethene	4.495	96	182559	131.363	ug/L	97
22) 2-Butanone	4.568	43	113803	86.059	ug/L	99
23) Bromochloromethane	4.904	128	37654	53.413	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.105	83	145175	60.405	ug/L	99
27) 1,2-Dichloroethane	6.092	62	106120	54.356	ug/L	97
29) Cyclohexane	5.477	56	145382	65.364	ug/L	96
30) 1,1,1-Trichloroethane	5.391	97	613477	285.116	ug/L	99
31) Carbon tetrachloride	5.684	117	99507	51.413	ug/L	99
33) Benzene	6.044	78	316696	60.691	ug/L	100
34) Trichloroethene	7.129	95	73761	53.686	ug/L	97
35) Methylcyclohexane	7.385	83	188862	89.123	ug/L	97
37) 1,2-Dichloropropane	7.434	63	69621	51.824	ug/L	99
38) Bromodichloromethane	7.824	83	97726	52.360	ug/L	100
39) cis-1,3-Dichloropropene	8.366	75	108248	52.251	ug/L	100
40) 4-Methyl-2-pentanone	8.580	43	231267	106.689	ug/L	99
42) Toluene	8.720	91	2129249	383.095	ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	104648	52.722	ug/L	99
45) 1,1,2-Trichloroethane	9.153	97	65409	51.031	ug/L	97
46) Tetrachloroethene	9.275	164	67546	66.507	ug/L	98
48) 2-Hexanone	9.433	43	167946	94.075	ug/L	99
49) Dibromochloromethane	9.525	129	75841	51.840	ug/L	95
50) 1,2-Dibromoethane	9.610	107	71651	52.515	ug/L	95
51) Chlorobenzene	10.079	112	185505	54.138	ug/L	99
52) Ethylbenzene	10.195	91	747317	127.908	ug/L	99
53) m,p-Xylene	10.305	106	698247	313.130	ug/L	98
54) o-Xylene	10.646	106	337031	155.589	ug/L	98
55) Styrene	10.659	104	220234	59.227	ug/L	92
57) 1,1,2,2-Tetrachloroethane	11.213	83	117601	58.420	ug/L	94
59) Bromoform	10.805	173	53614	49.330	ug/L	100
60) Isopropylbenzene	10.963	105	386886	64.074	ug/L	99
61) 1,2,3-Trichloropropane	11.244	75	88415	51.674	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	533881	106.192	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	1131013	223.120	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	142407	53.999	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	148803	55.066	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	165518	62.997	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	30354	59.143	ug/L	96
69) 1,3,5-Trichlorobenzene	13.115	180	98344	54.870	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	93583m	58.009	ug/L	
71) Naphthalene	13.780	128	609629	100.463	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	95056	58.067	ug/L	97

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

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