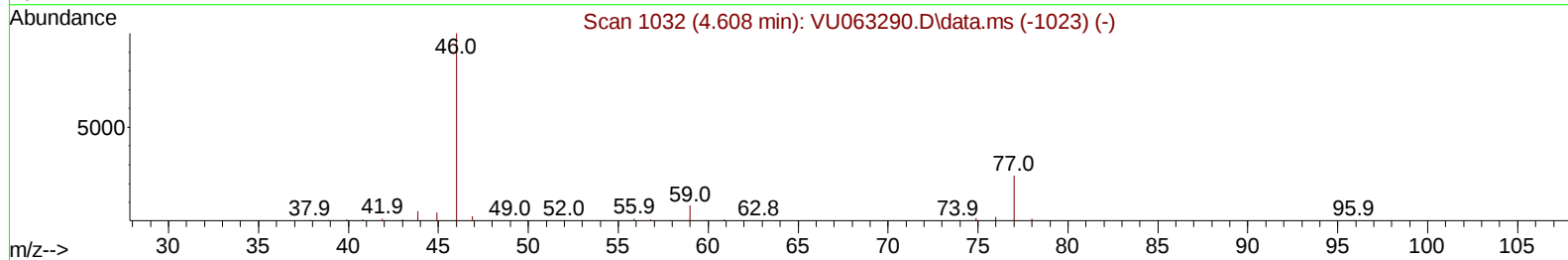
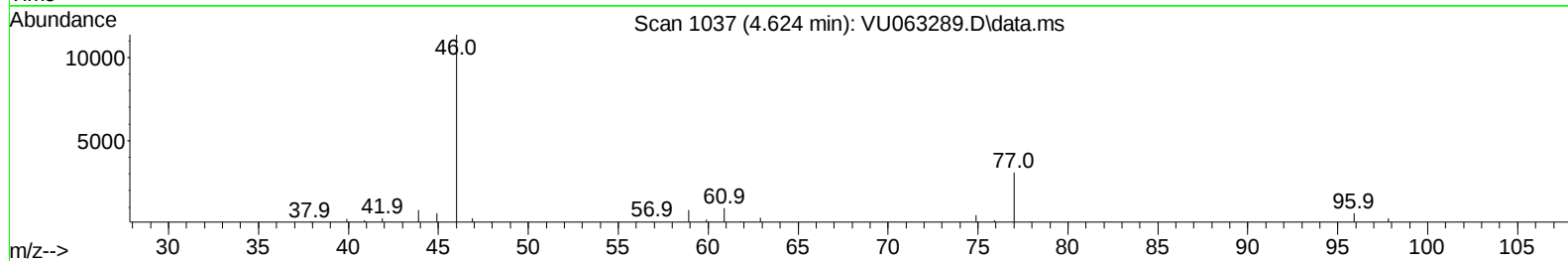
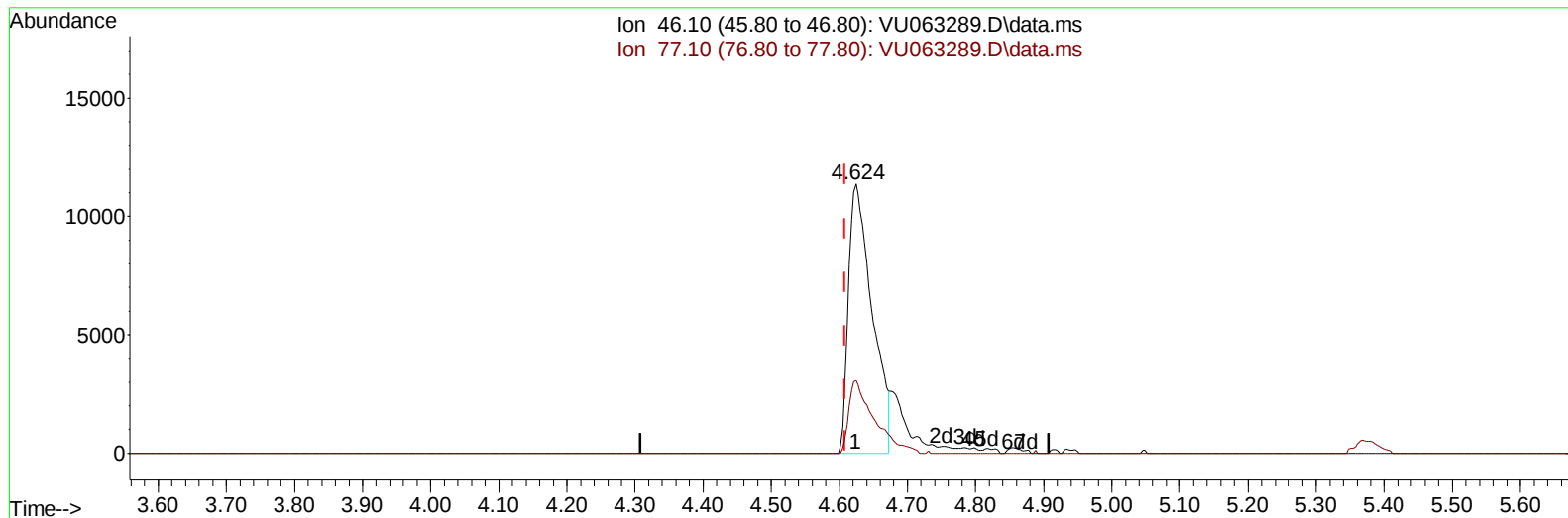


Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
Data File : VU063289.D
Acq On : 17 Mar 2025 10:56
Operator : MD/SY
Sample : VSTD01028
Misc : 5mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 21 08:36:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 21 08:30:41 2025
Response via : Initial Calibration



TIC: VU063289.D\data.ms

(21) 2-Butanone-d5 (S)

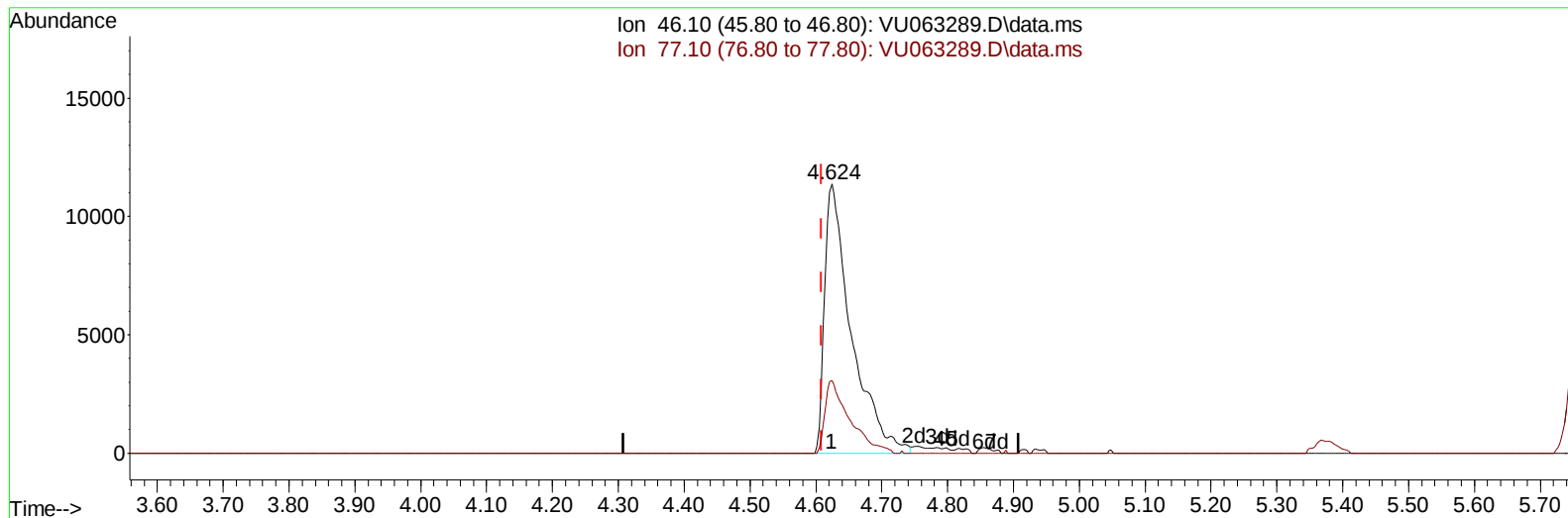
4.624min (+ 0.016) 20.97 ug/L

response 27486

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	24.30	29.01
0.00	0.00	0.00
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	6.238	114	265177	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	260057	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	116286	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22827	11.33	ug/L	0.00
7) Chloroethane-d5	1.898	69	19974	17.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	40179	11.41	ug/L	0.00
21) 2-Butanone-d5	4.624	46	31965m	24.39	ug/L	0.02
24) Chloroform-d	5.052	84	43137	11.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	27155	12.79	ug/L	0.00
32) Benzene-d6	5.717	84	82234	10.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	26850	10.83	ug/L	0.00
41) Toluene-d8	7.891	98	69334	9.85	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	10695	9.25	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	17243	16.34	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	40017	10.82	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	23751	10.66	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	22754	11.02	ug/L	99
3) Chloromethane	1.518	50	26661	12.24	ug/L	99
5) Vinyl chloride	1.599	62	26090	10.55	ug/L	99
6) Bromomethane	1.840	94	14742	17.39	ug/L	100
8) Chloroethane	1.920	64	16393	16.41	ug/L	92
9) Trichlorofluoromethane	2.126	101	29485	10.89	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	18340	9.82	ug/L	100
12) 1,1-Dichloroethene	2.570	96	17182	9.36	ug/L	96
13) Acetone	2.618	43	22559	26.40	ug/L	98
14) Carbon disulfide	2.782	76	56385	9.94	ug/L	99
15) Methyl Acetate	2.939	43	24092	11.97	ug/L #	100
16) Methylene chloride	3.033	84	22058	10.37	ug/L	96
17) trans-1,2-Dichloroethene	3.345	96	18734	9.97	ug/L	93
18) Methyl tert-butyl Ether	3.351	73	57251	9.84	ug/L	98
19) 1,1-Dichloroethane	3.856	63	38964	11.11	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	20483	9.62	ug/L	98
22) 2-Butanone	4.701	43	31879	23.66	ug/L	90
23) Bromochloromethane	4.962	128	10952	10.10	ug/L	97
25) Chloroform	5.074	83	38725	10.88	ug/L	97
27) 1,2-Dichloroethane	5.785	62	29406	11.12	ug/L #	94
29) Cyclohexane	5.373	56	28320	8.68	ug/L	100
30) 1,1,1-Trichloroethane	5.303	97	30877	9.92	ug/L	98
31) Carbon tetrachloride	5.512	117	25540	9.57	ug/L	99
33) Benzene	5.762	78	82576	10.03	ug/L	100
34) Trichloroethene	6.534	95	20840	9.39	ug/L	96
35) Methylcyclohexane	6.753	83	26357	7.84	ug/L	96
37) 1,2-Dichloropropane	6.782	63	23189	10.16	ug/L #	97
38) Bromodichloromethane	7.097	83	28594	10.50	ug/L #	98
39) cis-1,3-Dichloropropene	7.598	75	32467	9.55	ug/L	96
40) 4-Methyl-2-pentanone	7.782	43	56194	20.09	ug/L	97
42) Toluene	7.962	91	81773	9.24	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.203	75	29493	9.35	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	22481	10.22	ug/L	98
46) Tetrachloroethene	8.544	164	14711	9.32	ug/L	94
48) 2-Hexanone	8.676	43	40996	19.04	ug/L	96
49) Dibromochloromethane	8.801	129	21751	9.83	ug/L	99
50) 1,2-Dibromoethane	8.913	107	23223	9.87	ug/L	99
51) Chlorobenzene	9.438	112	54223	9.84	ug/L	98
52) Ethylbenzene	9.563	91	82851	8.69	ug/L	99
53) m,p-Xylene	9.685	106	29556	8.33	ug/L	98
54) o-Xylene	10.090	106	29422	8.26	ug/L	90
55) Styrene	10.106	104	45182	7.45	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	37858	9.83	ug/L	97
59) Bromoform	10.283	173	16697	10.76	ug/L	98
60) 1,2,3-Trichloropropane	10.814	75	29285	11.73	ug/L	99
61) Isopropylbenzene	10.476	105	74407	9.39	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	55690	8.63	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	50395	7.90	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	36851	9.73	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	37357	9.51	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	37819	10.10	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.990	75	7490	11.09	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	23812	9.32	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	17720	8.11	ug/L	97
71) Naphthalene	14.084	128	40591	6.14	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	16547	7.82	ug/L	97

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

