

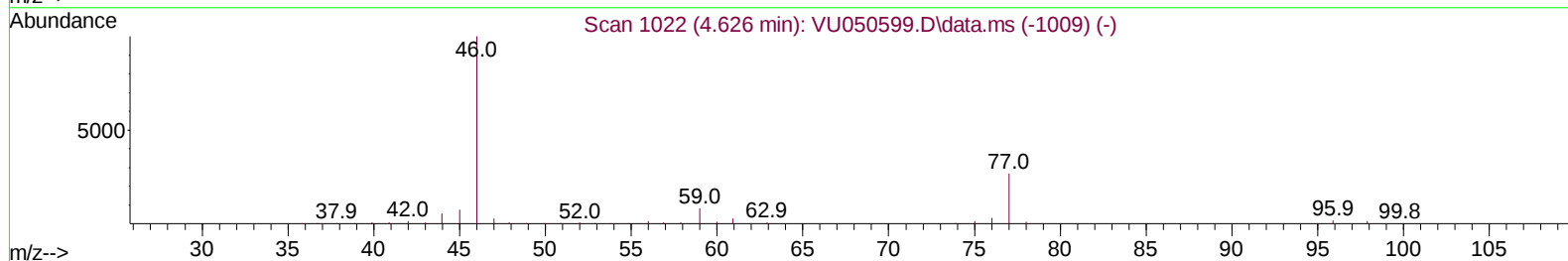
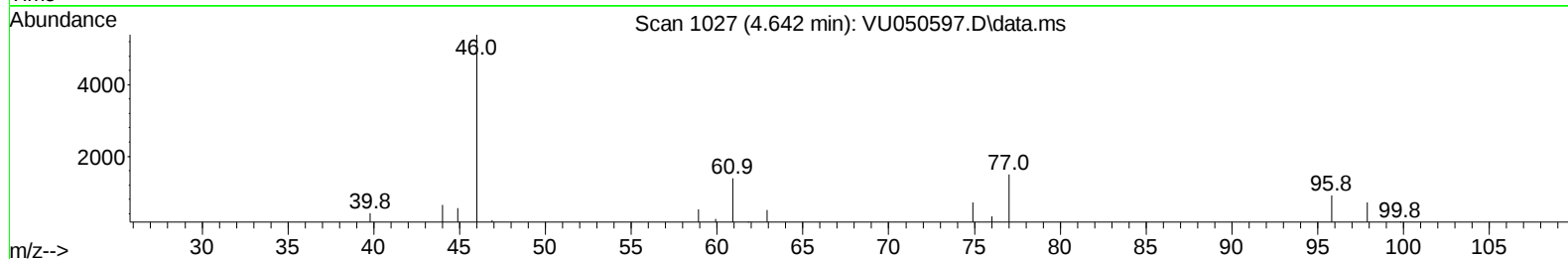
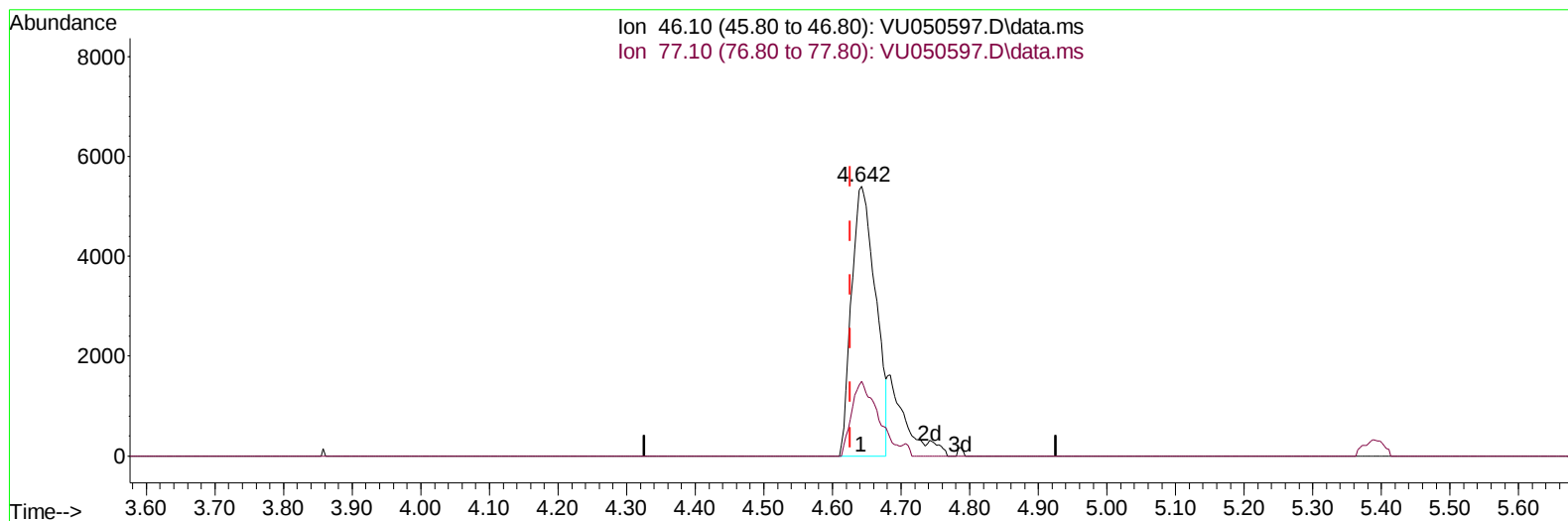
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090222\
Data File : VU050597.D
Acq On : 02 Sep 2022 14:06
Operator : SY/MD
Sample : VSTD00519
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005019

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/05/2022

Quant Time: Sep 03 01:57:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 03 01:56:20 2022
Response via : Initial Calibration



TIC: VU050597.D\data.ms

(21) 2-Butanone-d5 (S)

4.642min (+ 0.016) 6.65 ug/L

response 13131

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	25.40	30.64
0.00	0.00	0.00
0.00	0.00	0.00

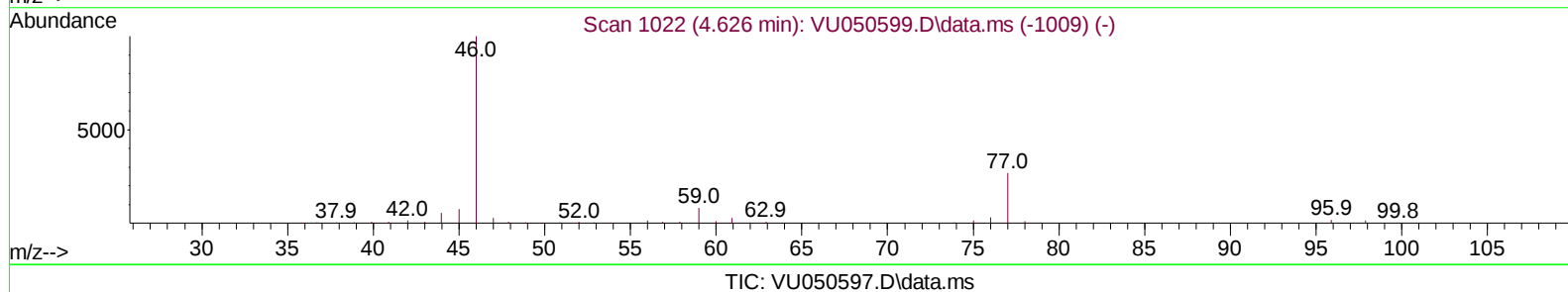
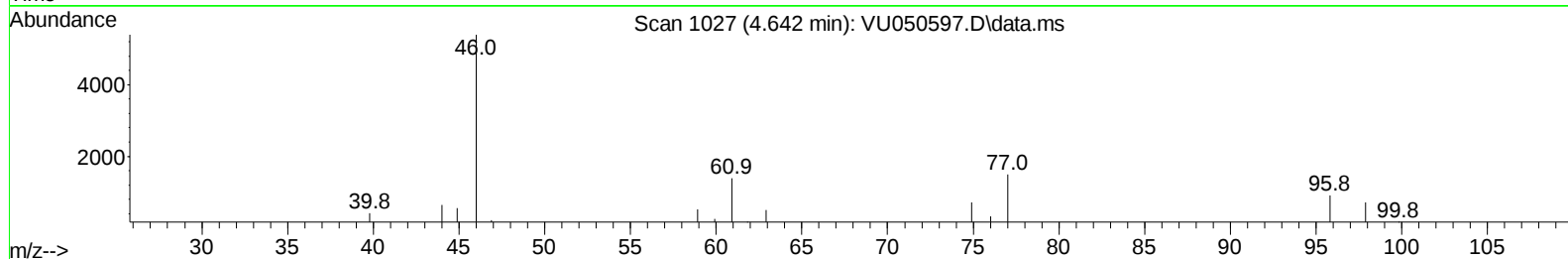
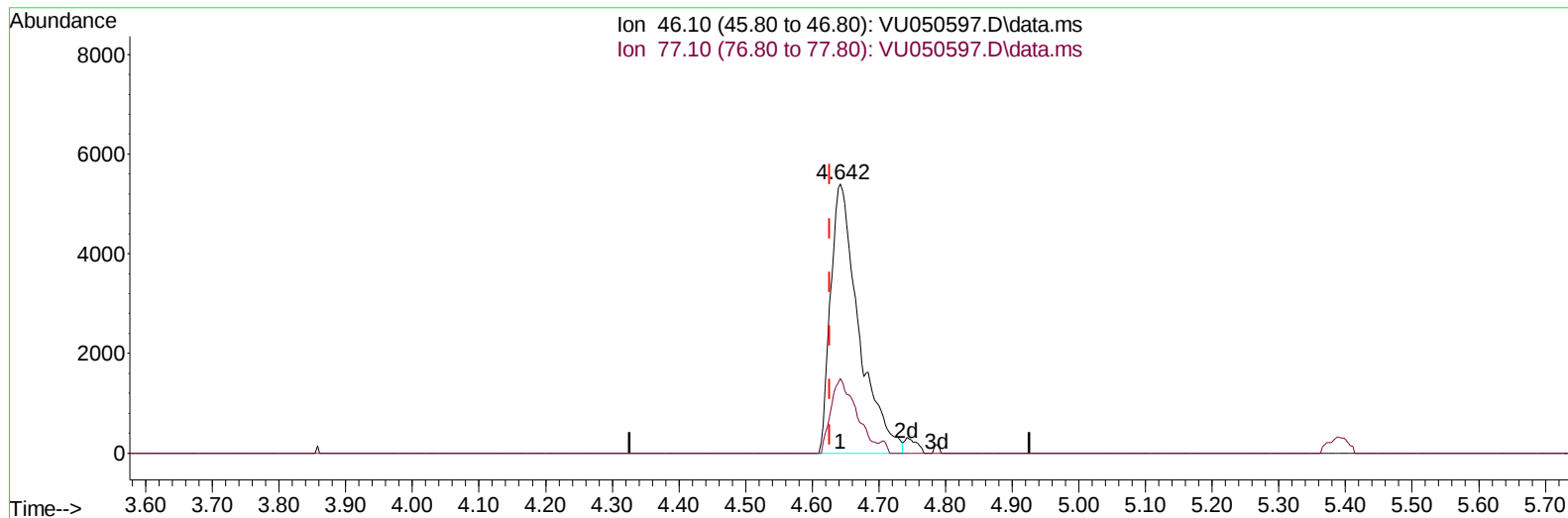
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090222\
Data File : VU050597.D
Acq On : 02 Sep 2022 14:06
Operator : SY/MD
Sample : VSTD00519
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005019

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/05/2022

Quant Time: Sep 03 01:57:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 03 01:56:20 2022
Response via : Initial Calibration



(21) 2-Butanone-d5 (S)

4.642min (+ 0.016) 7.99 ug/L m

response 15767

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	25.40	25.52
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090222\
 Data File : VU050597.D
 Acq On : 02 Sep 2022 14:06
 Operator : SY/MD
 Sample : VSTD00519
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005019

Manual IntegrationsAPPROVED

Quant Time: Sep 03 01:57:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 03 01:56:20 2022
 Response via : Initial Calibration

Reviewed By :John Carlone 09/03/2022
 Supervised By :Mahesh Dadoda 09/05/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	299152	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	287107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	115563	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	10789	4.632	ug/L	0.00
7) Chloroethane-d5	1.909	69	7494	4.216	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	20566	5.160	ug/L	0.00
21) 2-Butanone-d5	4.642	46	15767m	7.991	ug/L	0.02
24) Chloroform-d	5.063	84	23003	5.081	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	14418	4.954	ug/L	0.00
32) Benzene-d6	5.729	84	44073	4.897	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	14258	4.749	ug/L	0.00
41) Toluene-d8	7.899	98	36349	4.657	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	5349	4.414	ug/L	0.00
47) 2-Hexanone-d5	8.639	63	5672	5.569	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	21622	4.650	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	12741	5.050	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	14729	6.977	ug/L	98
3) Chloromethane	1.520	50	14179	4.542	ug/L	95
5) Vinyl chloride	1.604	62	12792	4.452	ug/L	99
6) Bromomethane	1.851	94	7748	5.835	ug/L	81
8) Chloroethane	1.932	64	7622	4.307	ug/L	99
9) Trichlorofluoromethane	2.137	101	17995	5.325	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	11329	5.490	ug/L	99
12) 1,1-Dichloroethene	2.578	96	10740	5.127	ug/L	94
13) Acetone	2.636	43	14109	9.122	ug/L	98
14) Carbon disulfide	2.793	76	32811	6.111	ug/L	96
15) Methyl Acetate	2.954	43	13919	4.406	ug/L	97
16) Methylene chloride	3.044	84	15377	4.637	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	11399	5.023	ug/L	95
18) Methyl tert-butyl Ether	3.366	73	32864	4.361	ug/L	98
19) 1,1-Dichloroethane	3.870	63	21857	4.785	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	12611	4.748	ug/L	92
22) 2-Butanone	4.716	43	19344	8.117	ug/L	100
23) Bromochloromethane	4.973	128	7208	5.117	ug/L #	84
25) Chloroform	5.089	83	24031	5.103	ug/L	99
27) 1,2-Dichloroethane	5.796	62	18009	4.880	ug/L	96
29) Cyclohexane	5.385	56	16839	4.982	ug/L	94
30) 1,1,1-Trichloroethane	5.317	97	20083	5.650	ug/L	98
31) Carbon tetrachloride	5.523	117	15944	5.773	ug/L	100
33) Benzene	5.774	78	51692	4.948	ug/L	100
34) Trichloroethene	6.539	95	11965	4.944	ug/L	93
35) Methylcyclohexane	6.761	83	17145	5.035	ug/L	95
37) 1,2-Dichloropropane	6.790	63	13273	4.657	ug/L #	97
38) Bromodichloromethane	7.105	83	16452	5.061	ug/L #	99
39) cis-1,3-Dichloropropene	7.610	75	16737	4.428	ug/L	94
40) 4-Methyl-2-pentanone	7.796	43	32973	8.099	ug/L	98
42) Toluene	7.970	91	48955	4.713	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090222\
 Data File : VU050597.D
 Acq On : 02 Sep 2022 14:06
 Operator : SY/MD
 Sample : VSTD00519
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005019

Manual IntegrationsAPPROVED

Reviewed By : John Carlone 09/03/2022
 Supervised By : Mahesh Dadoda 09/05/2022

Quant Time: Sep 03 01:57:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 03 01:56:20 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.214	75	16212	4.715	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	13498	4.923	ug/L	95
46) Tetrachloroethene	8.552	164	9229	5.409	ug/L	98
48) 2-Hexanone	8.690	43	32245	9.167	ug/L	88
49) Dibromochloromethane	8.809	129	12088	4.982	ug/L	98
50) 1,2-Dibromoethane	8.925	107	13468	4.747	ug/L	99
51) Chlorobenzene	9.446	112	33070	5.106	ug/L	98
52) Ethylbenzene	9.571	91	46724	4.595	ug/L	97
53) m,p-Xylene	9.693	106	17310	4.537	ug/L	88
54) o-Xylene	10.102	106	17143	4.439	ug/L	96
55) Styrene	10.115	104	25990	4.059	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	23043	4.721	ug/L	99
59) Bromoform	10.291	173	8852	5.694	ug/L	93
60) 1,2,3-Trichloropropane	10.822	75	18899	5.533	ug/L	96
61) Isopropylbenzene	10.484	105	40623	4.883	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	31924	4.636	ug/L	96
63) 1,2,4-Trimethylbenzene	11.468	105	29835	4.472	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	20293	5.157	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	20609	5.151	ug/L	90
67) 1,2-Dichlorobenzene	12.211	146	20607	4.859	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.996	75	4750	5.741	ug/L	86
69) 1,3,5-Trichlorobenzene	13.221	180	13577	4.952	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	11966	4.950	ug/L	95
71) Naphthalene	14.089	128	46963	4.834	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	13214	4.778	ug/L	97

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

