

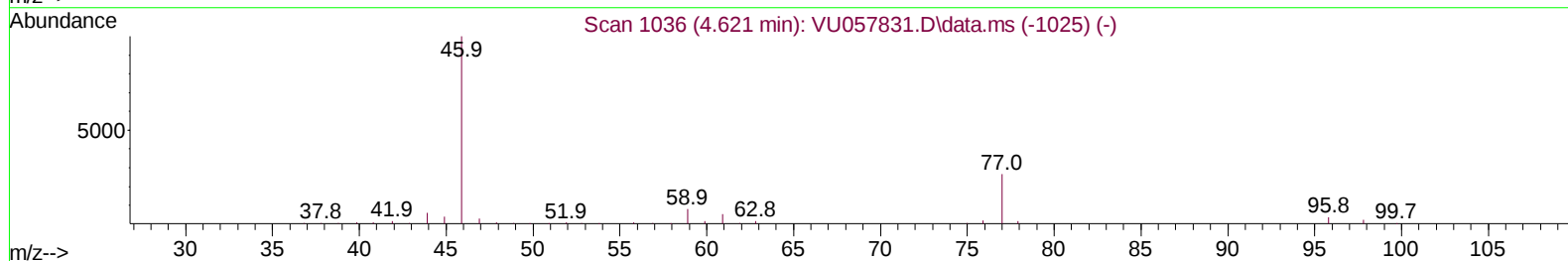
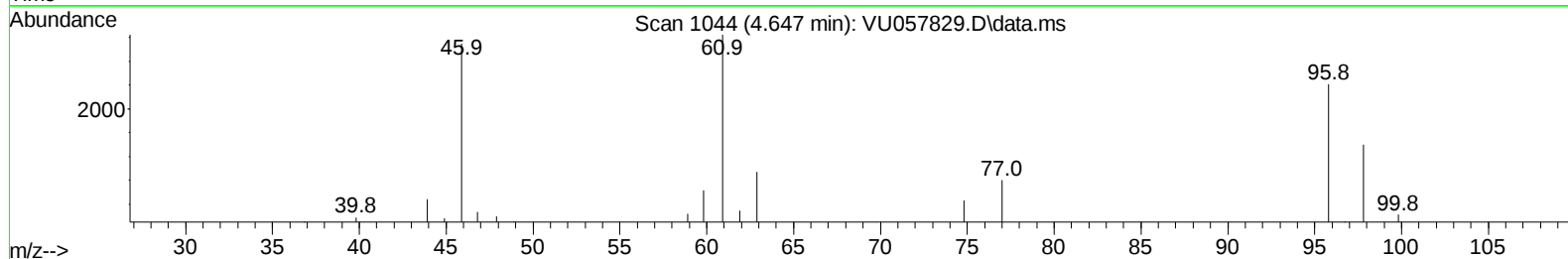
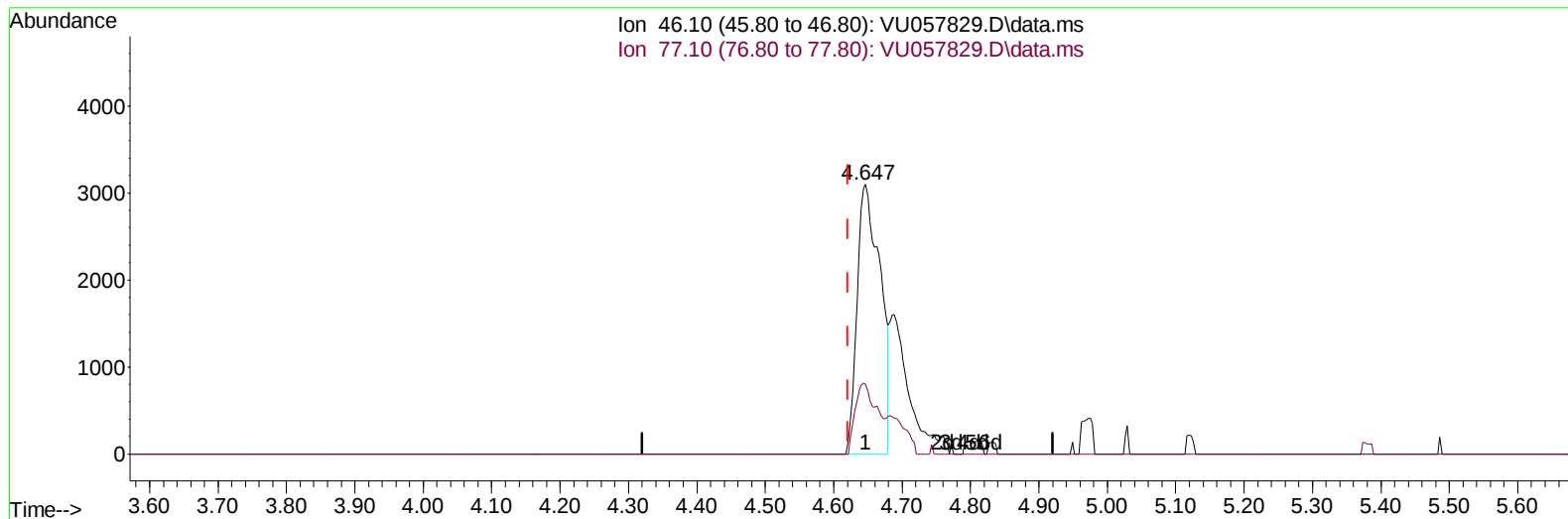
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
Data File : VU057829.D
Acq On : 07 Feb 2024 09:18
Operator : MD/SY
Sample : VSTD00553
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005053

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 02/09/2024
Supervised By :Semsettin Yesilyurt 02/09/2024

Quant Time: Feb 08 01:06:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 08 01:05:45 2024
Response via : Initial Calibration



TIC: VU057829.D\data.ms

(21) 2-Butanone-d5 (S)

4.647min (+ 0.026) 7.67 ug/L

response 7257

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	26.10	19.14
0.00	0.00	0.00
0.00	0.00	0.00

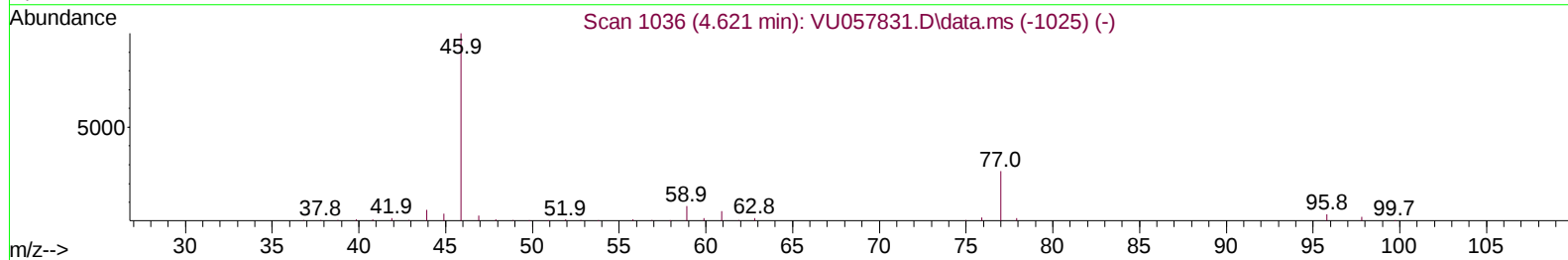
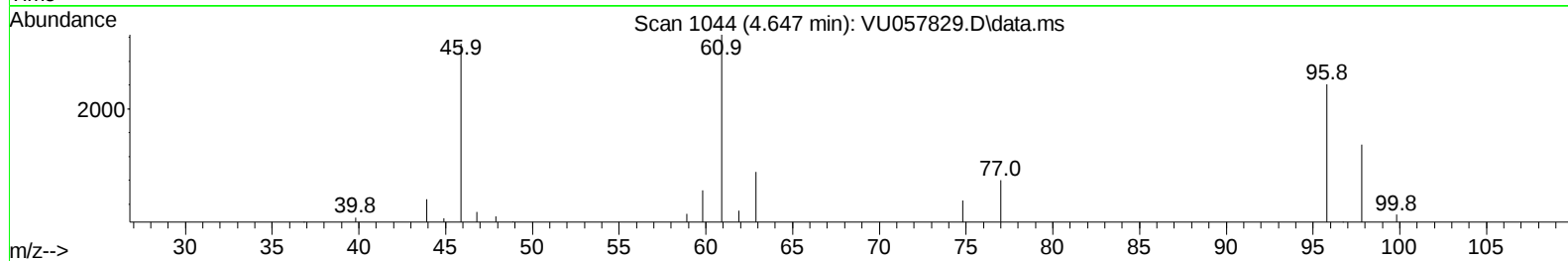
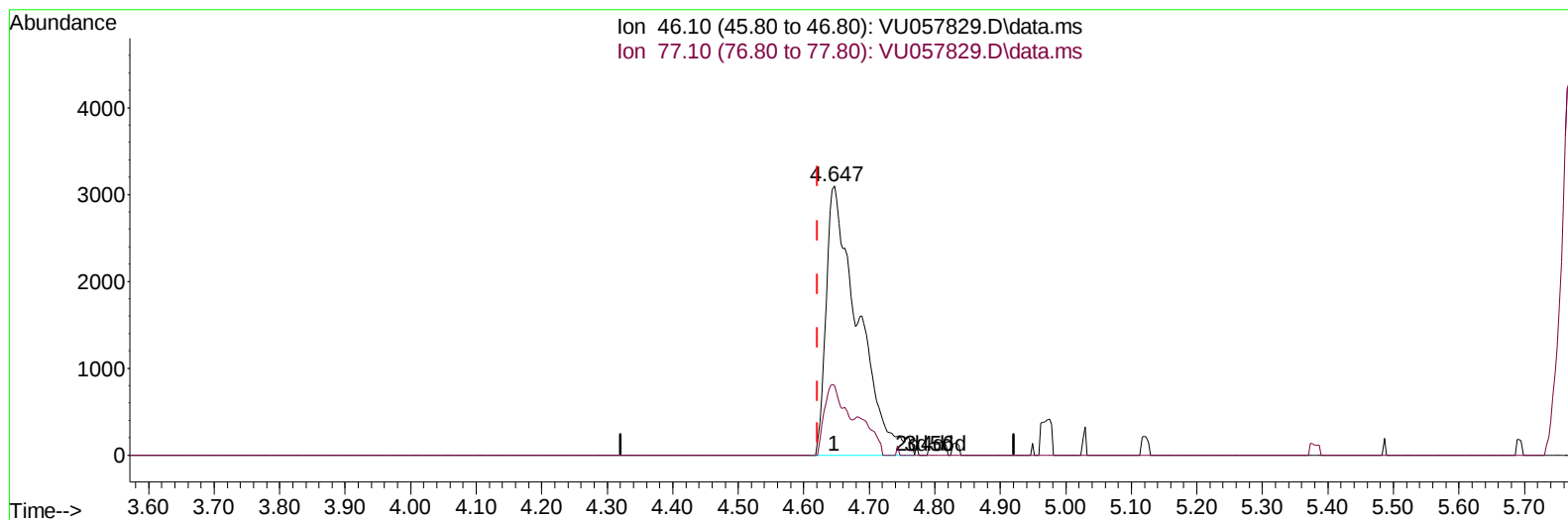
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
Data File : VU057829.D
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TIC: VU057829.D\data.ms

(21) 2-Butanone-d5 (S)

4.647min (+ 0.026) 11.05 ug/L m

response 10460

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	26.10	13.28#
0.00	0.00	0.00
0.00	0.00	0.00

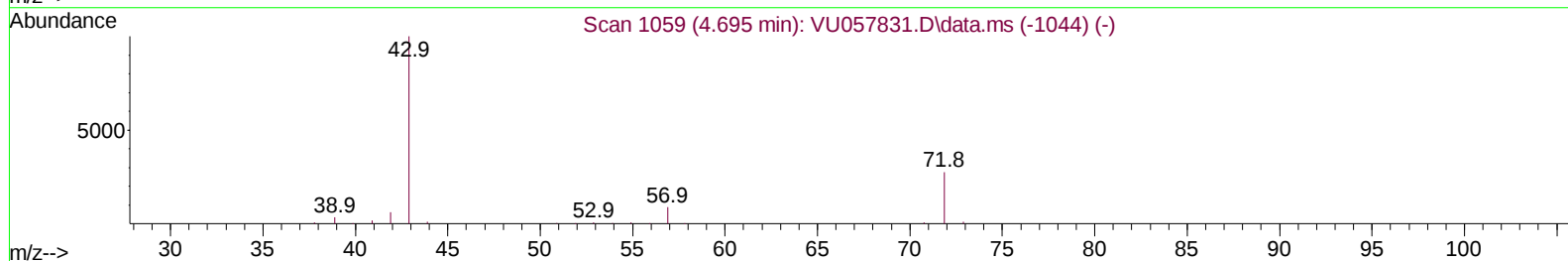
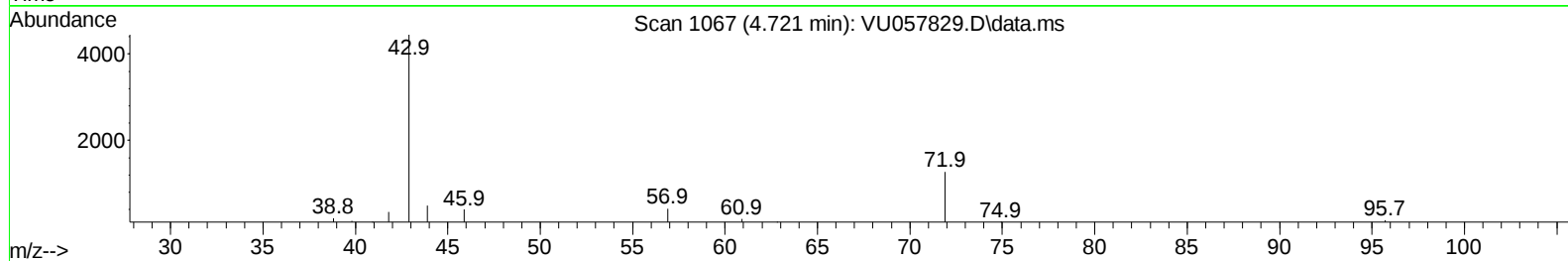
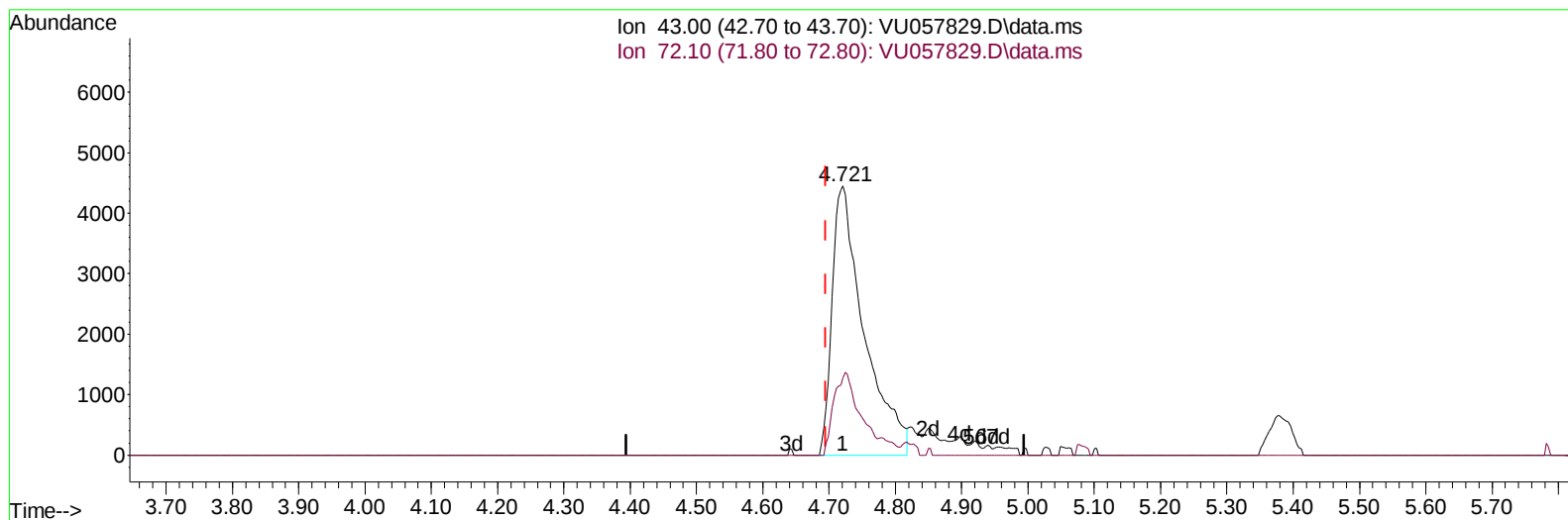
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
Data File : VU057829.D
Acq On : 07 Feb 2024 09:18
Operator : MD/SY
Sample : VSTD00553
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005053

Manual IntegrationsAPPROVED

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Supervised By :Semsettin Yesilyurt 02/09/2024



TIC: VU057829.D\data.ms

(22) 2-Butanone (T)

4.721min (+ 0.026) 12.53 ug/L

response 14877

Ion	Exp%	Act%
43.00	100.00	100.00
72.10	27.50	24.83
0.00	0.00	0.00
0.00	0.00	0.00

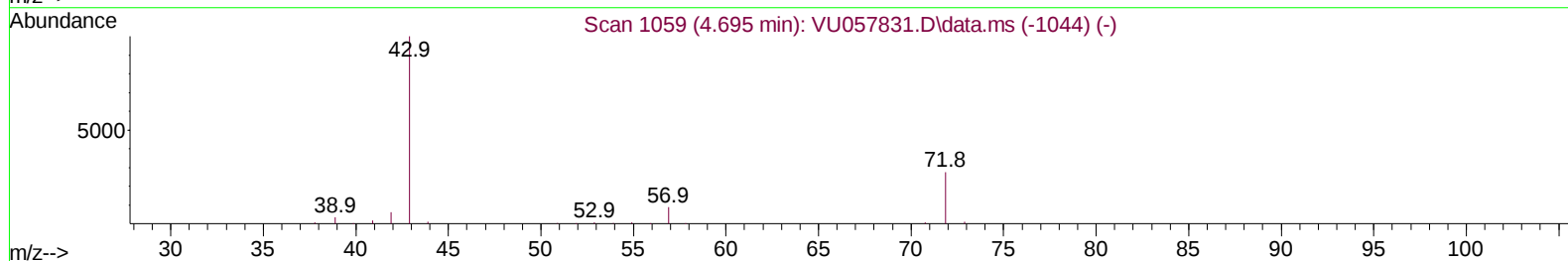
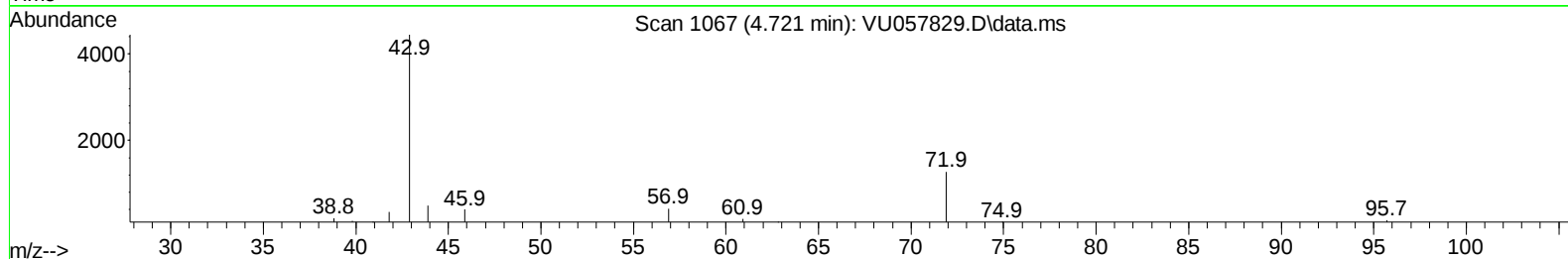
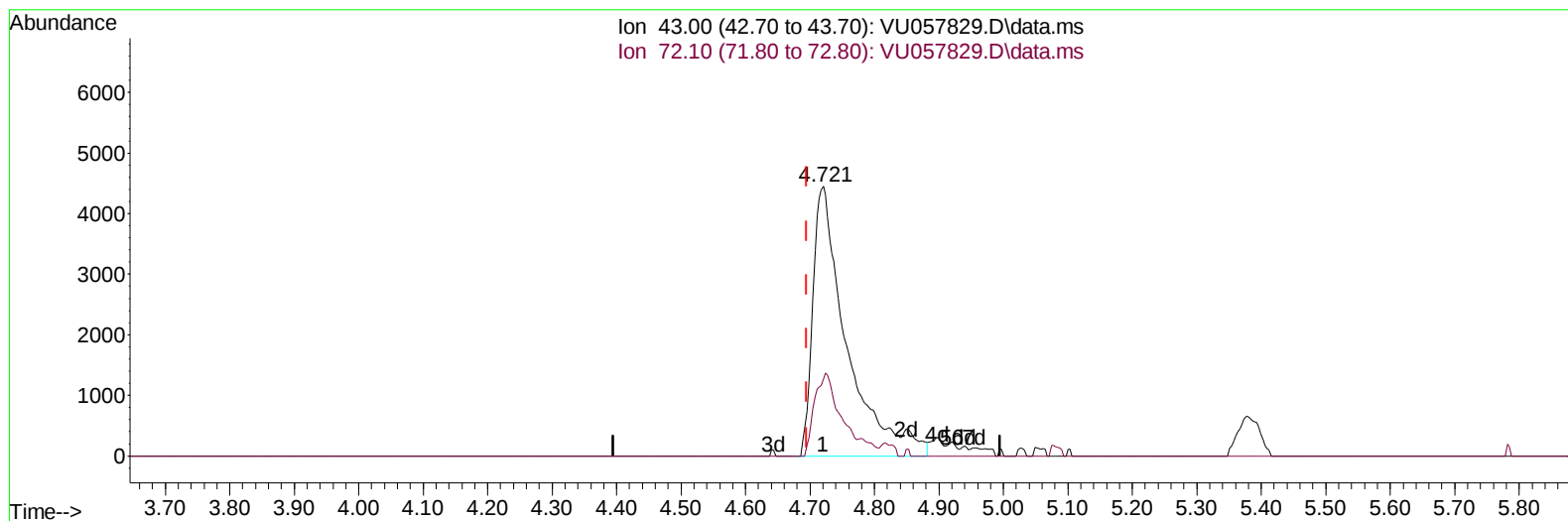
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
Data File : VU057829.D
Acq On : 07 Feb 2024 09:18
Operator : MD/SY
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005053

Manual IntegrationsAPPROVED

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 08 01:05:45 2024
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Supervised By :Semsettin Yesilyurt 02/09/2024



TIC: VU057829.D\data.ms

(22) 2-Butanone (T)

4.721min (+ 0.026) 13.63 ug/L m

response 16177

Ion	Exp%	Act%
43.00	100.00	100.00
72.10	27.50	22.83
0.00	0.00	0.00
0.00	0.00	0.00

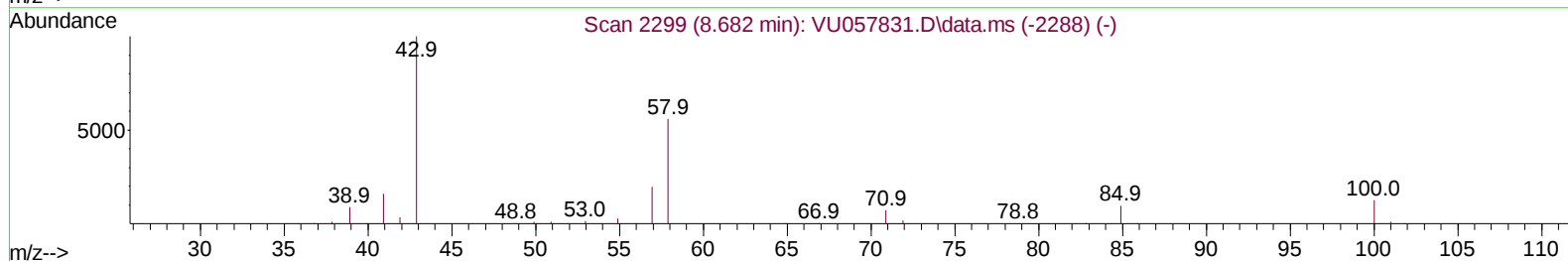
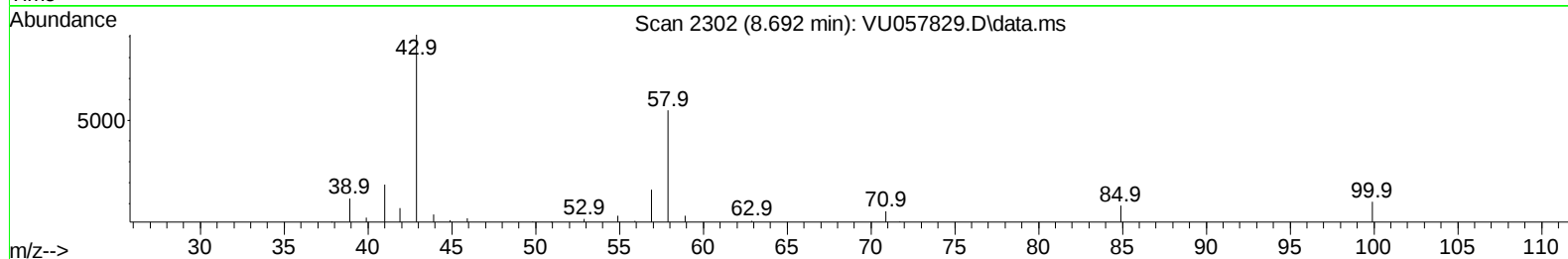
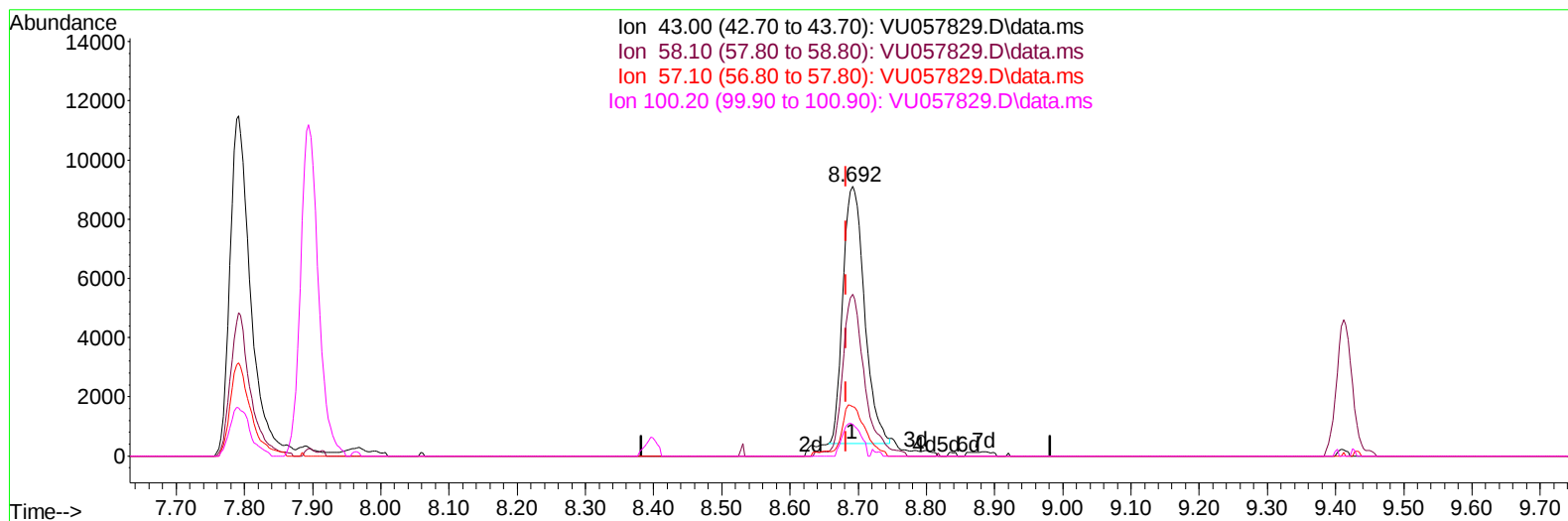
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
Data File : VU057829.D
Acq On : 07 Feb 2024 09:18
Operator : MD/SY
Sample : VSTD00553
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005053

Manual IntegrationsAPPROVED

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Reviewed By :Mahesh Dadoda 02/09/2024
Supervised By :Semsettin Yesilyurt 02/09/2024



TIC: VU057829.D\data.ms

(48) 2-Hexanone (T)

8.692min (+ 0.009) 12.17 ug/L

response 19089

Ion	Exp%	Act%
43.00	100.00	100.00
58.10	55.10	63.48
57.10	19.30	20.70
100.20	11.90	10.78

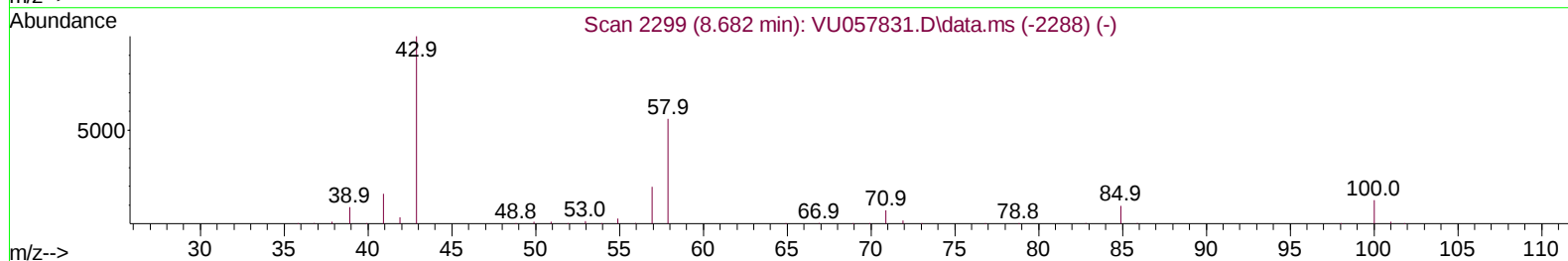
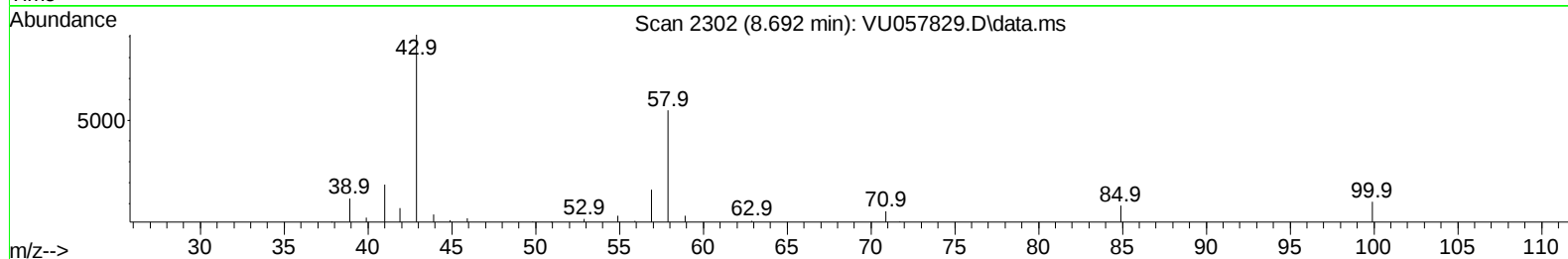
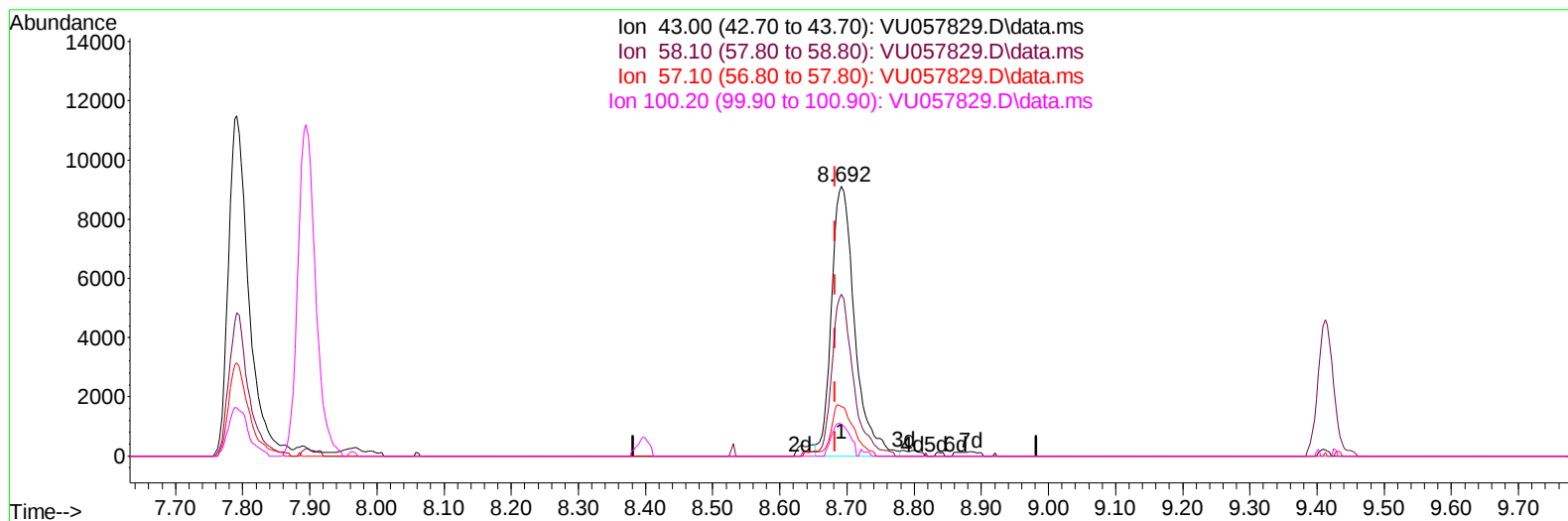
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
Data File : VU057829.D
Acq On : 07 Feb 2024 09:18
Operator : MD/SY
Sample : VSTD00553
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005053

Manual IntegrationsAPPROVED

Quant Time: Feb 08 01:06:14 2024
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Reviewed By :Mahesh Dadoda 02/09/2024
Supervised By :Semsettin Yesilyurt 02/09/2024



TIC: VU057829.D\data.ms

(48) 2-Hexanone (T)

8.692min (+ 0.009) 13.99 ug/L m

response 21946

Ion	Exp%	Act%
43.00	100.00	100.00
58.10	55.10	55.21
57.10	19.30	18.01
100.20	11.90	9.37#

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
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 Sample : VSTD00553
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005053

Manual IntegrationsAPPROVED

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 QLast Update : Thu Feb 08 01:05:45 2024
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Reviewed By :Mahesh Dadoda 02/09/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	264552	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	240479	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	113733	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	10285	5.407	ug/L	0.00
7) Chloroethane-d5	1.911	69	9079	6.152	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	19552	5.025	ug/L	0.00
21) 2-Butanone-d5	4.647	46	10460m	11.051	ug/L	0.03
24) Chloroform-d	5.055	84	19107	4.516	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	11542	4.171	ug/L	0.00
32) Benzene-d6	5.724	84	36242	5.434	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	11348	5.860	ug/L	0.00
41) Toluene-d8	7.894	98	32257	5.219	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	5256	4.779	ug/L	0.00
47) 2-Hexanone-d5	8.640	63	8024	12.052	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	14349	5.133	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	10806	4.818	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	11614	3.965	ug/L	98
3) Chloromethane	1.518	50	11092	5.592	ug/L	100
5) Vinyl chloride	1.605	62	11589	5.461	ug/L	98
6) Bromomethane	1.856	94	7278	5.213	ug/L	97
8) Chloroethane	1.930	64	7468	5.951	ug/L	94
9) Trichlorofluoromethane	2.129	101	15829	3.872	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	9503	4.630	ug/L	98
12) 1,1-Dichloroethene	2.573	96	8817	4.864	ug/L	97
13) Acetone	2.634	43	16936	14.380	ug/L	100
14) Carbon disulfide	2.788	76	26409	4.703	ug/L	96
15) Methyl Acetate	2.952	43	9755	6.424	ug/L	91
16) Methylene chloride	3.042	84	10451	5.069	ug/L	96
17) trans-1,2-Dichloroethene	3.348	96	8709	4.712	ug/L	94
18) Methyl tert-butyl Ether	3.357	73	30859	5.145	ug/L	99
19) 1,1-Dichloroethane	3.859	63	16945	4.867	ug/L	97
20) cis-1,2-Dichloroethene	4.663	96	10357	5.167	ug/L	94
22) 2-Butanone	4.721	43	16177m	13.626	ug/L	
23) Bromochloromethane	4.968	128	4929	4.404	ug/L	85
25) Chloroform	5.081	83	17978	4.399	ug/L	96
27) 1,2-Dichloroethane	5.791	62	14826	4.362	ug/L	99
29) Cyclohexane	5.377	56	15586	6.249	ug/L	99
30) 1,1,1-Trichloroethane	5.312	97	15719	4.318	ug/L	97
31) Carbon tetrachloride	5.521	117	13455	4.193	ug/L	97
33) Benzene	5.769	78	37472	5.316	ug/L	100
34) Trichloroethene	6.541	95	10229	5.029	ug/L	94
35) Methylcyclohexane	6.756	83	16188	5.669	ug/L	99
37) 1,2-Dichloropropane	6.785	63	10482	5.875	ug/L #	95
38) Bromodichloromethane	7.100	83	12788	4.506	ug/L	93
39) cis-1,3-Dichloropropene	7.605	75	15987	5.230	ug/L	95
40) 4-Methyl-2-pentanone	7.791	43	24001	12.574	ug/L	99
42) Toluene	7.965	91	38778	5.164	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.209	75	14464	4.814	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	9618	5.104	ug/L	98
46) Tetrachloroethene	8.550	164	7045	4.675	ug/L	95
48) 2-Hexanone	8.692	43	21946m	13.993	ug/L	
49) Dibromochloromethane	8.804	129	9255	4.167	ug/L	92
50) 1,2-Dibromoethane	8.920	107	9926	4.959	ug/L #	98
51) Chlorobenzene	9.444	112	24566	4.907	ug/L	93
52) Ethylbenzene	9.566	91	44128	5.266	ug/L	96
53) m,p-Xylene	9.692	106	15394	4.915	ug/L	97
54) o-Xylene	10.097	106	15185	4.979	ug/L	98
55) Styrene	10.113	104	23599	4.590	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.778	83	14340	4.960	ug/L #	97
59) Bromoform	10.286	173	6215	3.873	ug/L #	96
60) 1,2,3-Trichloropropane	10.820	75	12190	5.491	ug/L	98
61) Isopropylbenzene	10.479	105	41077	5.369	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	33050	5.056	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	32928	5.134	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	17866	5.008	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	18858	5.140	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	18436	5.129	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.991	75	2863	4.828	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.216	180	11590	4.519	ug/L	93
70) 1,2,4-trichlorobenzene	13.839	180	9747	4.886	ug/L	99
71) Naphthalene	14.087	128	24010	5.022	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	9048	4.849	ug/L	97

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

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