

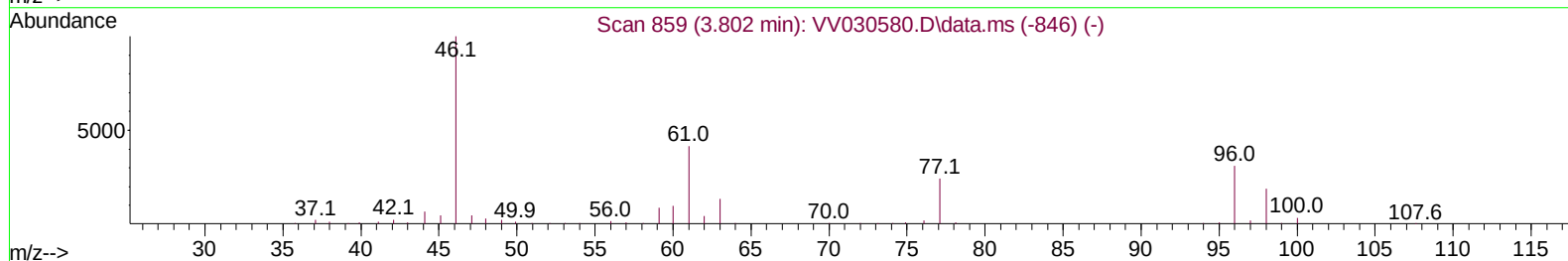
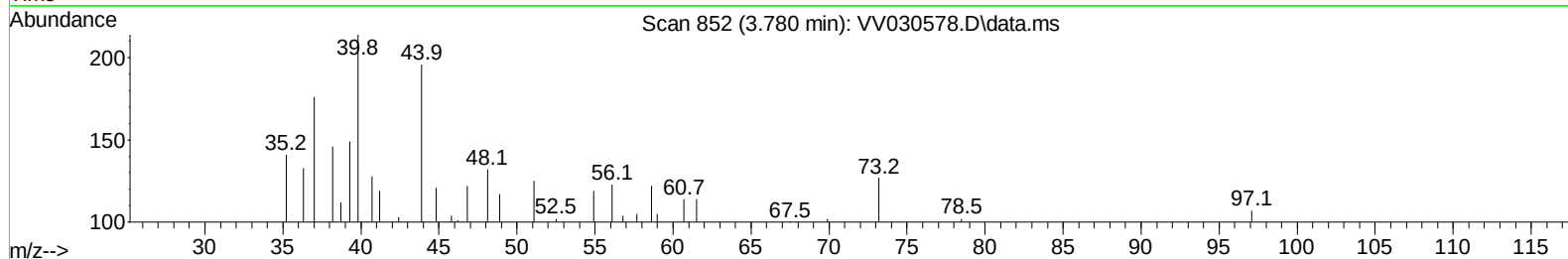
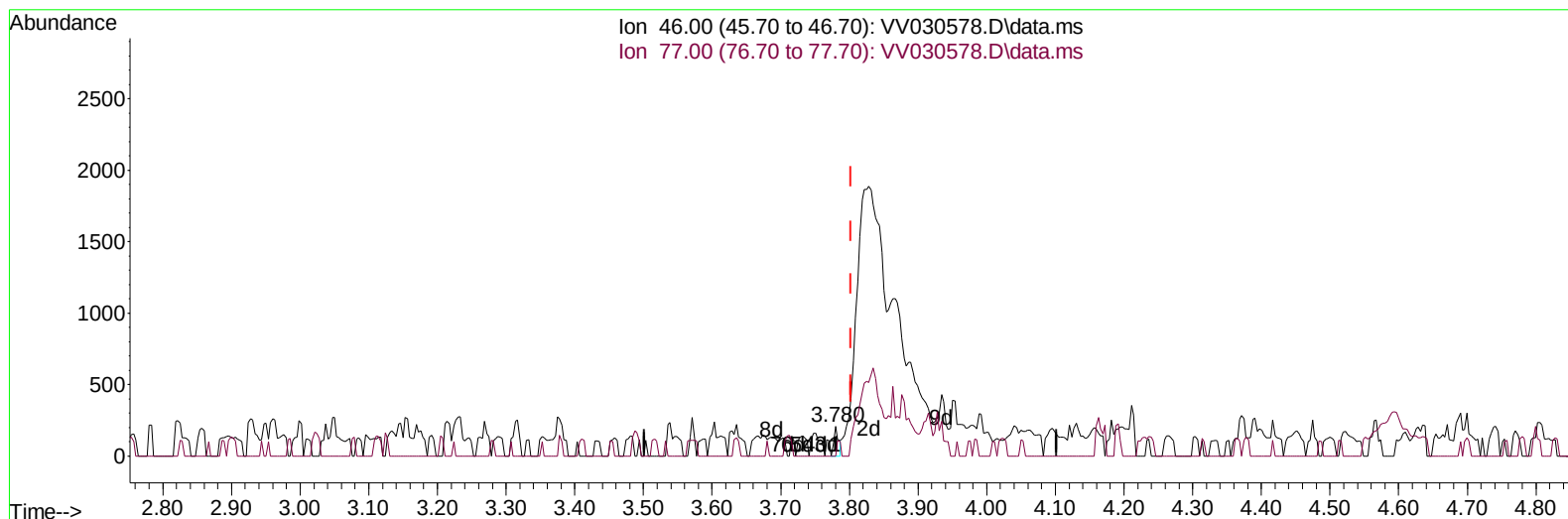
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041723\
 Data File : VV030578.D
 Acq On : 17 Apr 2023 10:27
 Operator : SY/MD
 Sample : VSTD00515
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005215

Manual IntegrationsAPPROVED

Quant Time: Apr 18 02:09:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:09:16 2023
 Response via : Initial Calibration

Reviewed By :John Carlone 04/18/2023
 Supervised By :Mahesh Dadoda 04/18/2023



TIC: VV030578.D\data.ms

(21) 2-Butanone-d5 (S)

3.780min (-0.022) 0.11 ug/L

response 102

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	23.30	40.20#
0.00	0.00	0.00
0.00	0.00	0.00

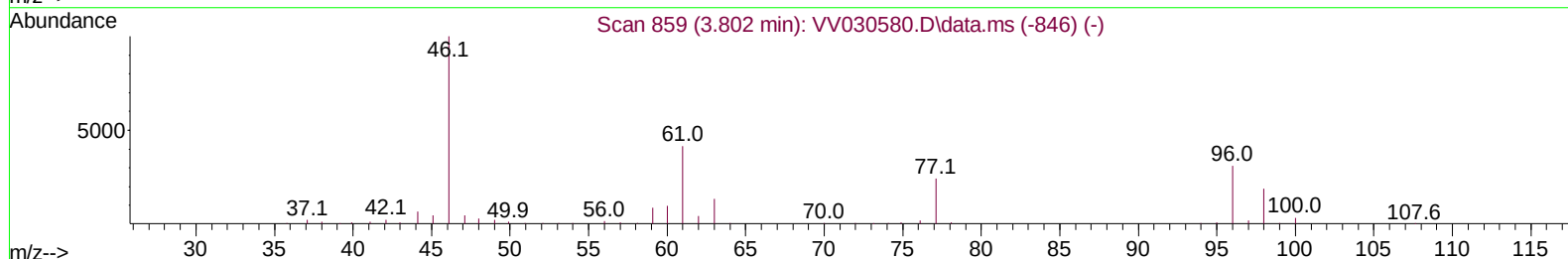
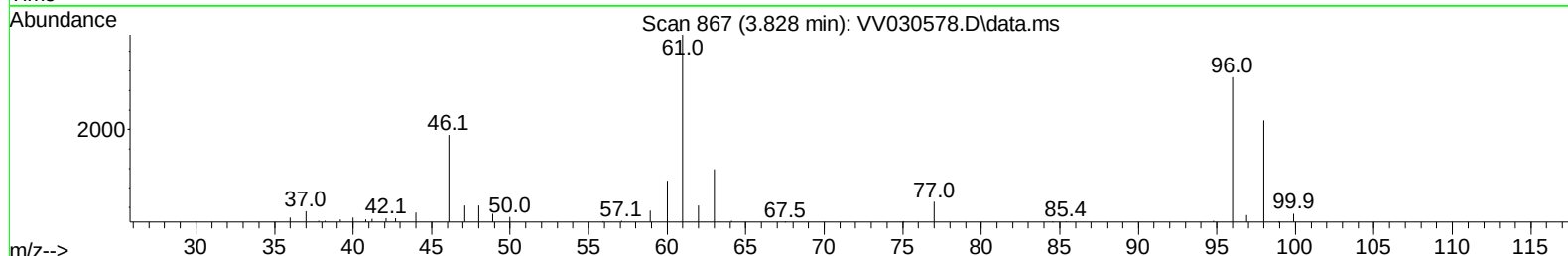
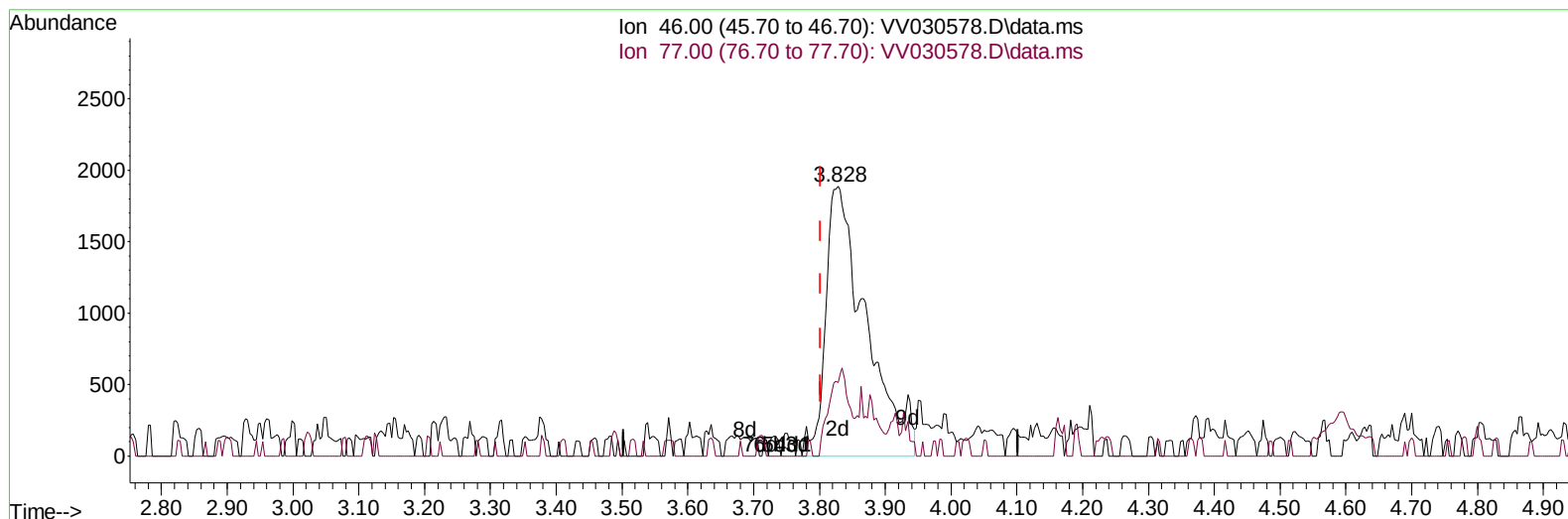
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041723\
 Data File : VV030578.D
 Acq On : 17 Apr 2023 10:27
 Operator : SY/MD
 Sample : VSTD00515
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005215

Manual IntegrationsAPPROVED

Quant Time: Apr 18 02:09:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:09:16 2023
 Response via : Initial Calibration

Reviewed By :John Carlone 04/18/2023
 Supervised By :Mahesh Dadoda 04/18/2023



TIC: VV030578.D\data.ms

(21) 2-Butanone-d5 (S)

3.828min (+ 0.026) 8.49 ug/L m

response 7995

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	23.30	0.51#
0.00	0.00	0.00
0.00	0.00	0.00

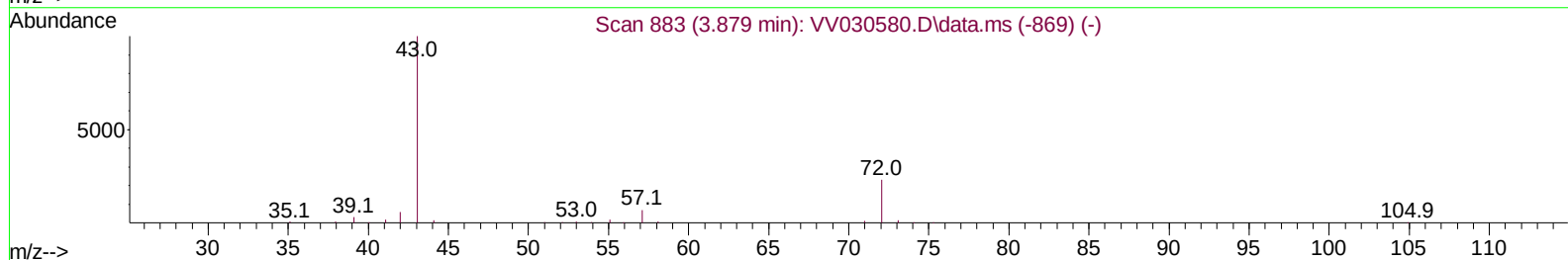
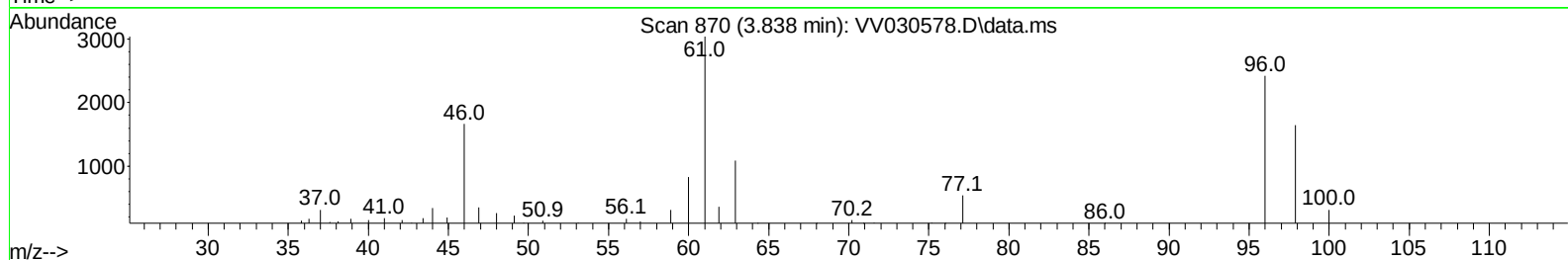
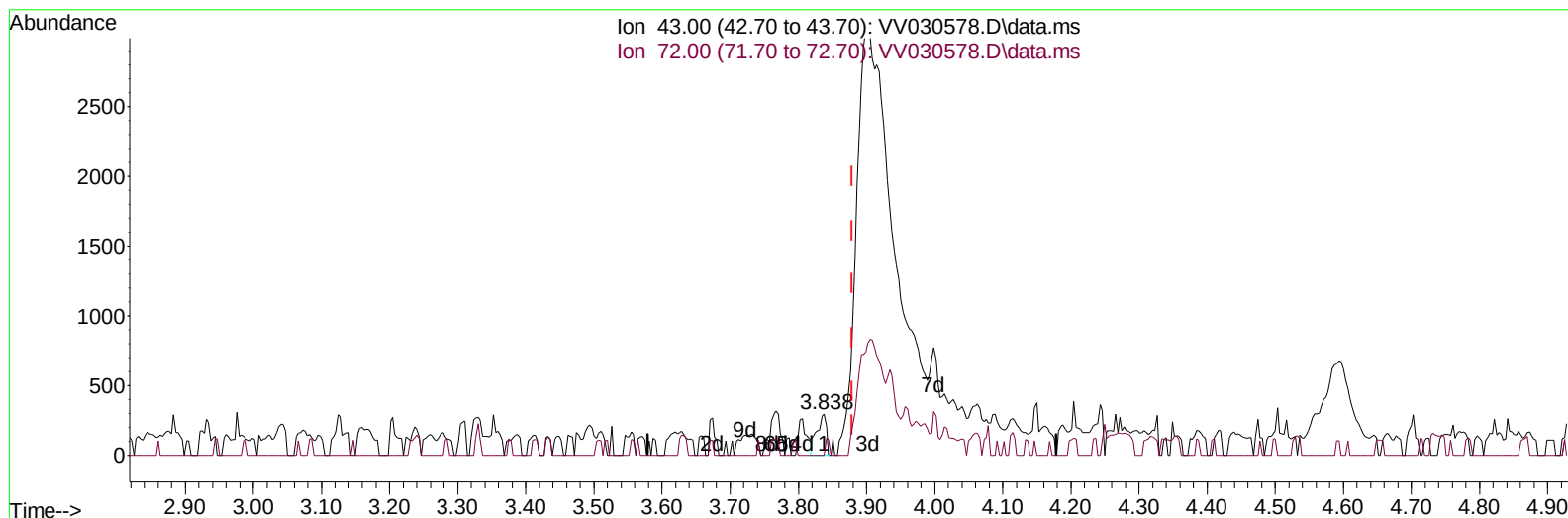
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041723\
 Data File : VV030578.D
 Acq On : 17 Apr 2023 10:27
 Operator : SY/MD
 Sample : VSTD00515
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005215

Manual IntegrationsAPPROVED

Quant Time: Apr 18 02:09:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:09:16 2023
 Response via : Initial Calibration

Reviewed By :John Carlone 04/18/2023
 Supervised By :Mahesh Dadoda 04/18/2023



TIC: VV030578.D\data.ms

(22) 2-Butanone (T)

3.838min (-0.042) 0.18 ug/L

response 277

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	22.90	16.25
0.00	0.00	0.00
0.00	0.00	0.00

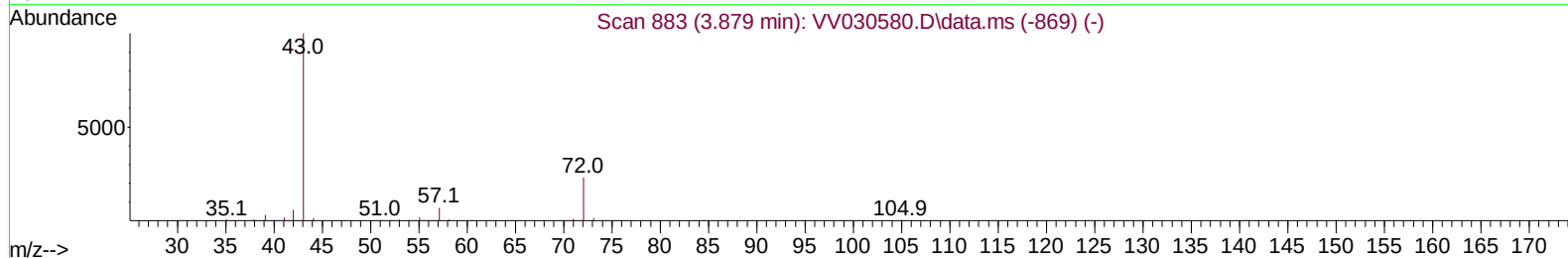
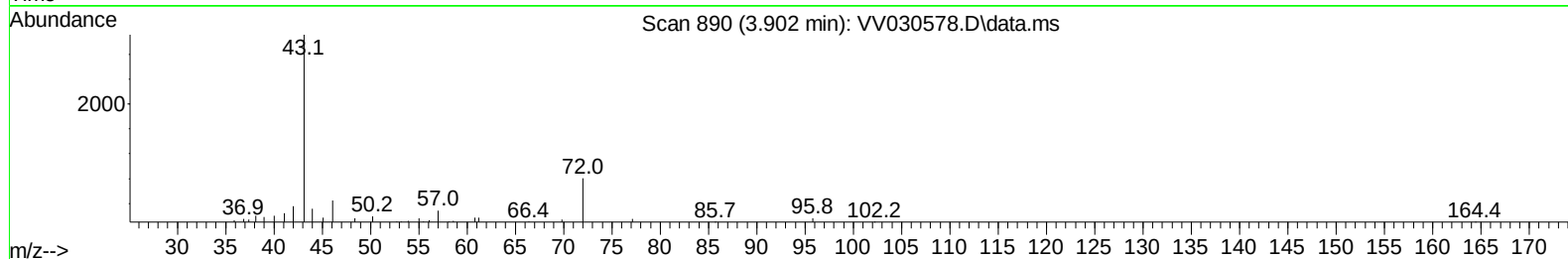
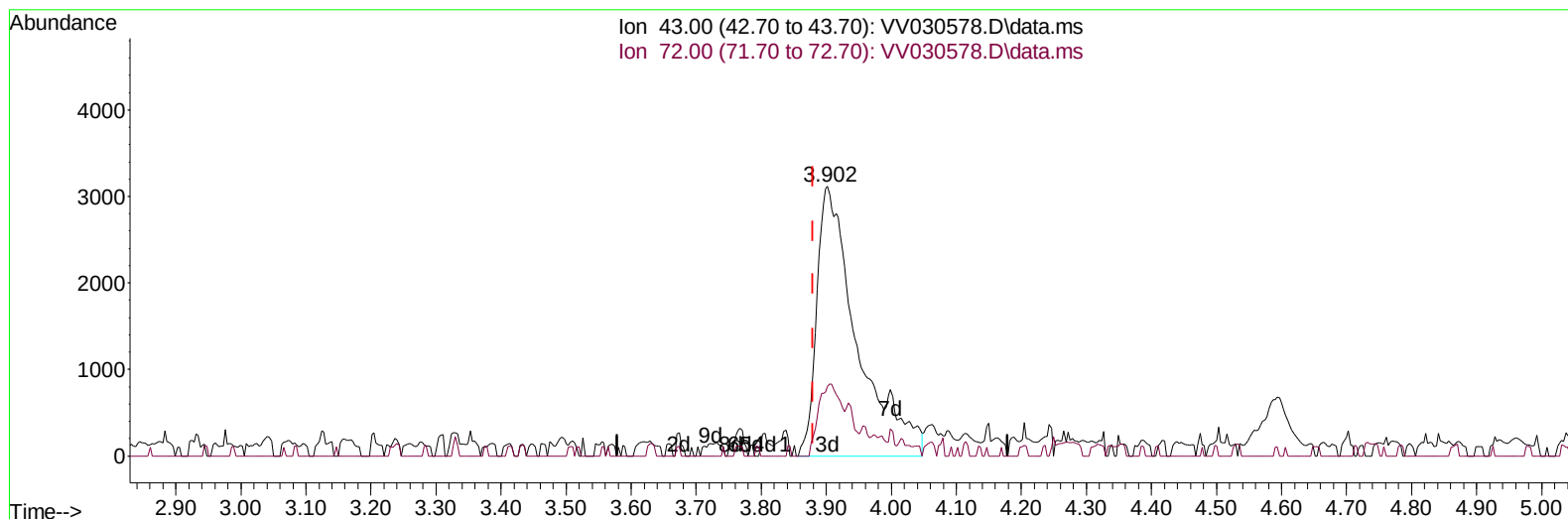
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041723\
 Data File : VV030578.D
 Acq On : 17 Apr 2023 10:27
 Operator : SY/MD
 Sample : VSTD00515
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005215

Manual IntegrationsAPPROVED

Quant Time: Apr 18 02:09:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:09:16 2023
 Response via : Initial Calibration

Reviewed By :John Carlone 04/18/2023
 Supervised By :Mahesh Dadoda 04/18/2023



TIC: VV030578.D\data.ms

(22) 2-Butanone (T)

3.902min (+ 0.023) 8.85 ug/L m

response 13435

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	22.90	0.33#
0.00	0.00	0.00
0.00	0.00	0.00

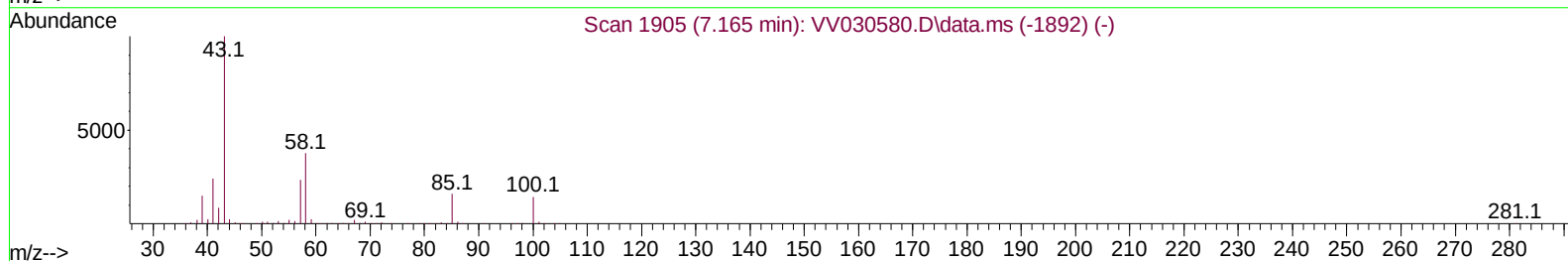
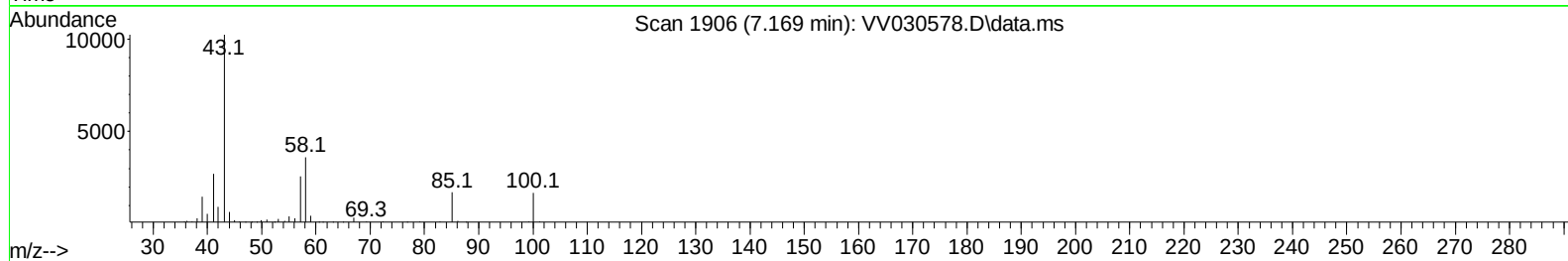
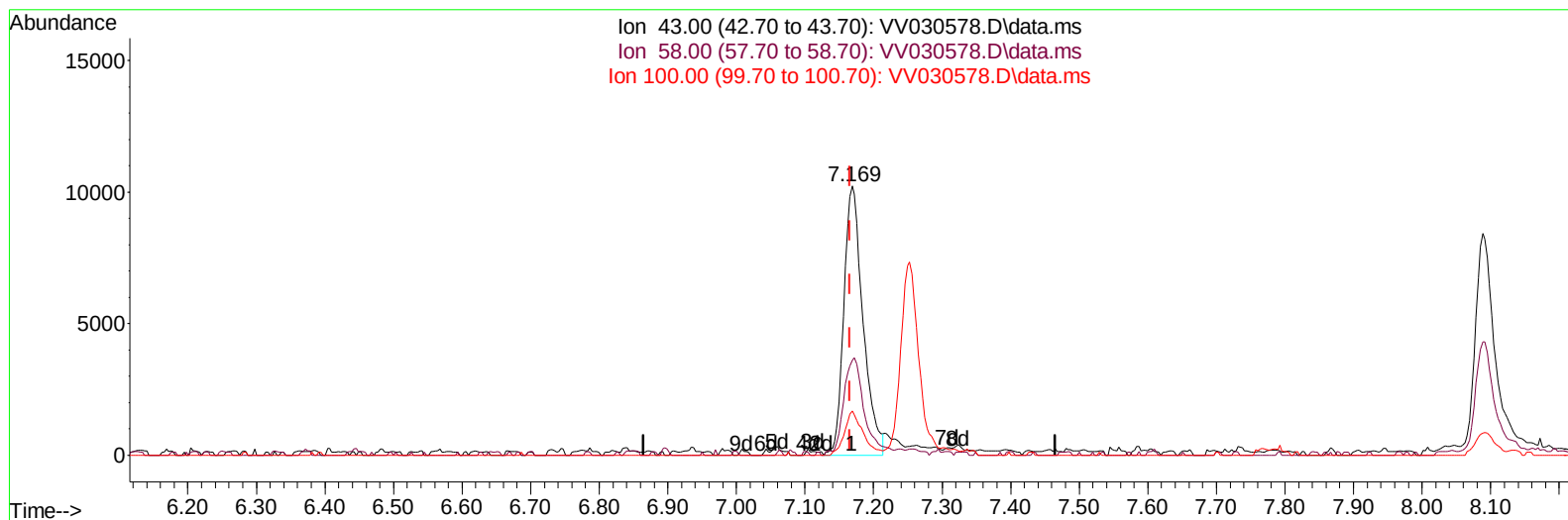
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041723\
 Data File : VV030578.D
 Acq On : 17 Apr 2023 10:27
 Operator : SY/MD
 Sample : VSTD00515
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005215

Manual IntegrationsAPPROVED

Quant Time: Apr 18 02:09:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:09:16 2023
 Response via : Initial Calibration

Reviewed By :John Carlone 04/18/2023
 Supervised By :Mahesh Dadoda 04/18/2023



TIC: VV030578.D\data.ms

(40) 4-Methyl-2-pentanone (T)

7.169min (+ 0.003) 7.76 ug/L

response 19805

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	36.50	37.38
100.00	14.10	15.87
0.00	0.00	0.00

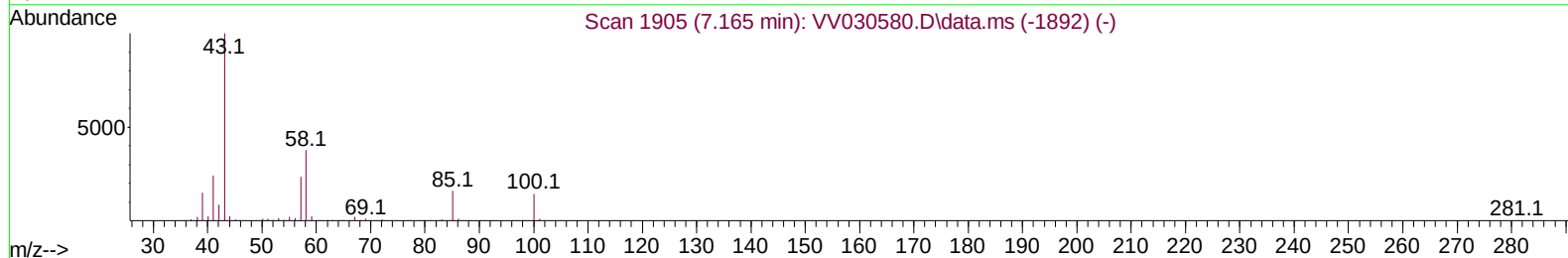
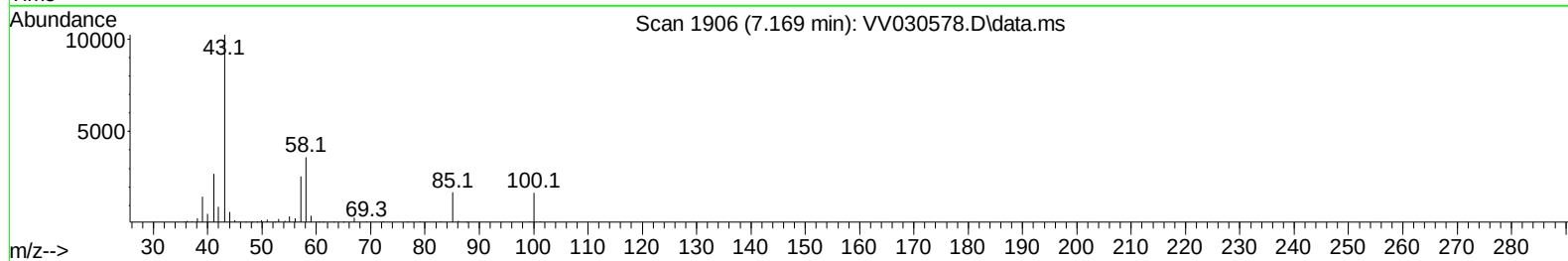
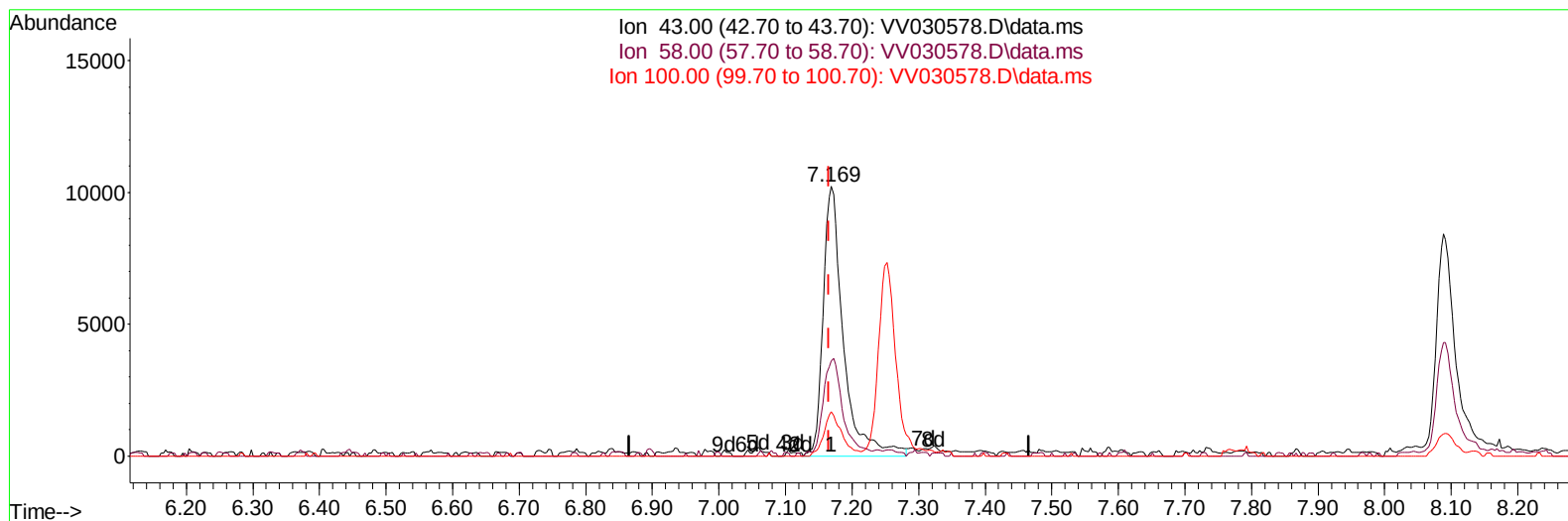
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041723\
 Data File : VV030578.D
 Acq On : 17 Apr 2023 10:27
 Operator : SY/MD
 Sample : VSTD00515
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005215

Manual IntegrationsAPPROVED

Quant Time: Apr 18 02:09:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:09:16 2023
 Response via : Initial Calibration

Reviewed By :John Carlone 04/18/2023
 Supervised By :Mahesh Dadoda 04/18/2023



TIC: VV030578.D\data.ms

(40) 4-Methyl-2-pentanone (T)

7.169min (+ 0.003) 8.46 ug/L m

response 21590

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	36.50	34.29
100.00	14.10	14.56
0.00	0.00	0.00

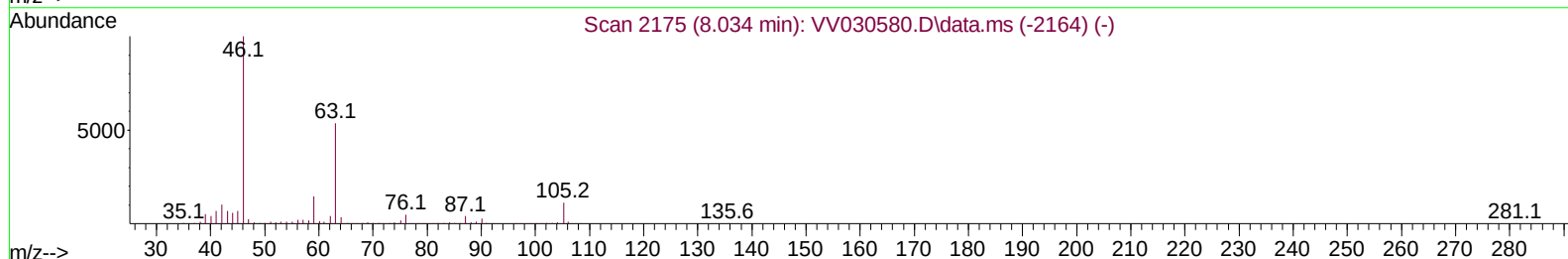
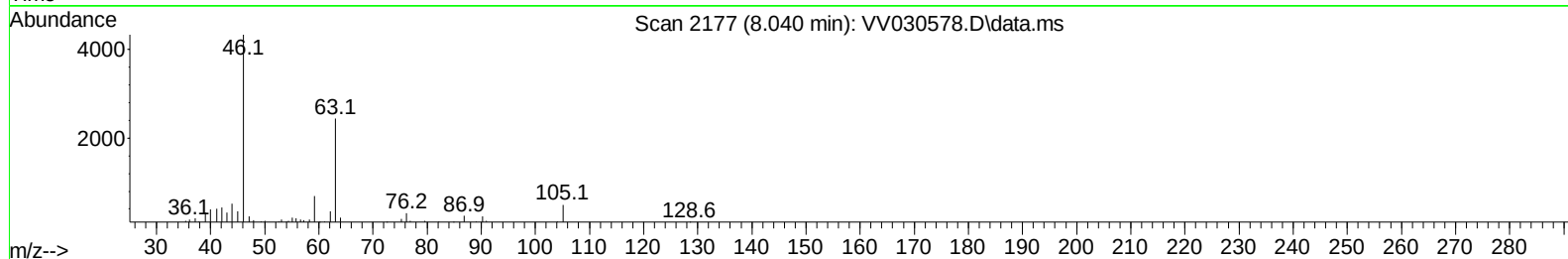
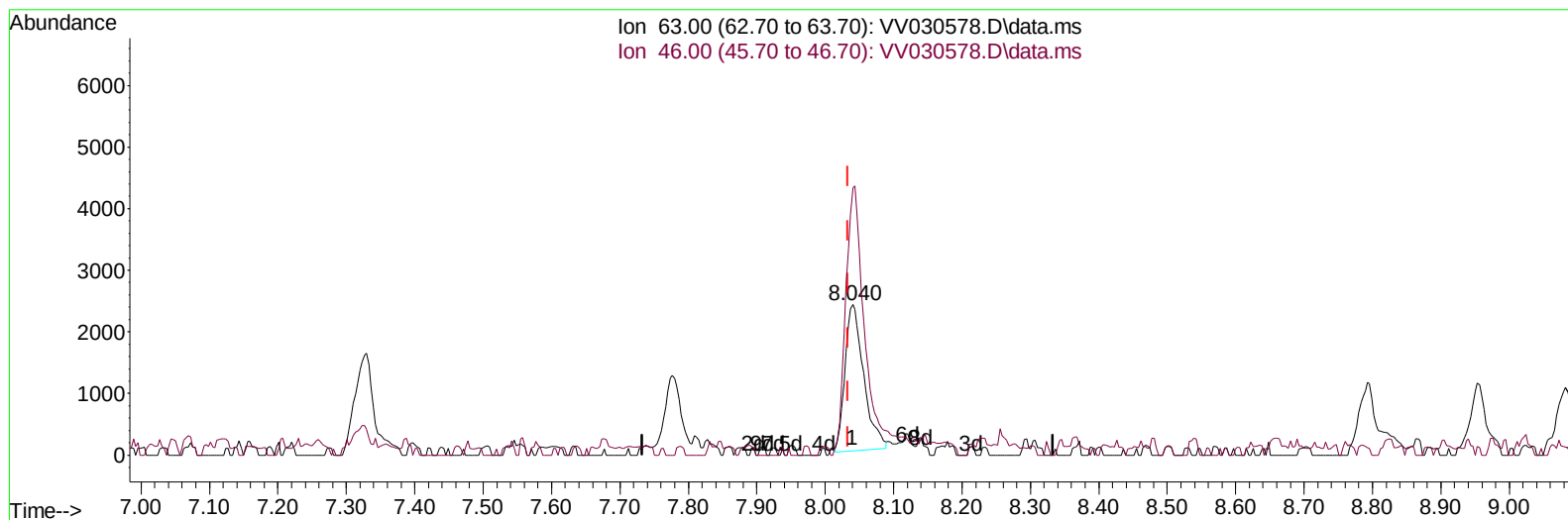
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041723\
 Data File : VV030578.D
 Acq On : 17 Apr 2023 10:27
 Operator : SY/MD
 Sample : VSTD00515
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005215

Manual IntegrationsAPPROVED

Quant Time: Apr 18 02:09:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:09:16 2023
 Response via : Initial Calibration

Reviewed By :John Carlone 04/18/2023
 Supervised By :Mahesh Dadoda 04/18/2023



TIC: VV030578.D\data.ms

(47) 2-Hexanone-d5 (S)

8.040min (+ 0.007) 7.23 ug/L

response 4521

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	190.80	188.70
0.00	0.00	0.00
0.00	0.00	0.00

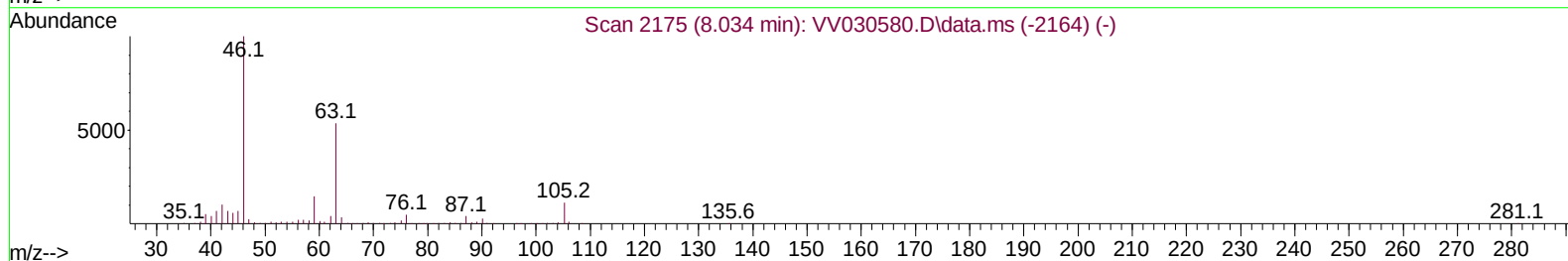
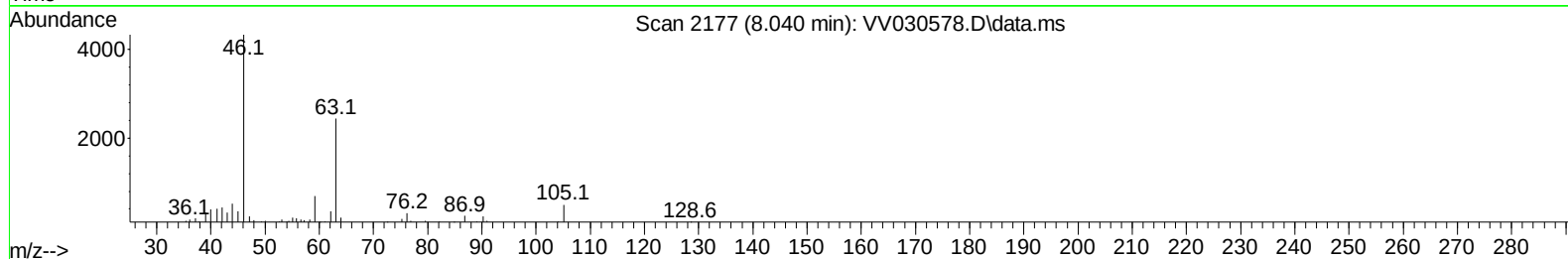
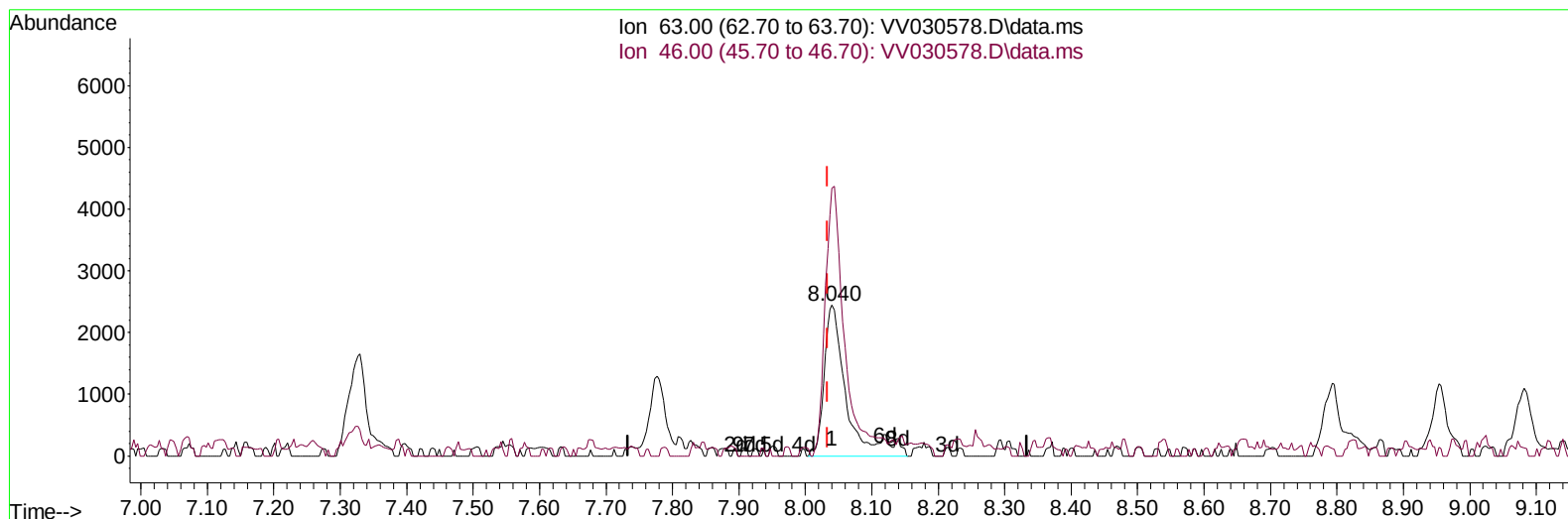
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041723\
 Data File : VV030578.D
 Acq On : 17 Apr 2023 10:27
 Operator : SY/MD
 Sample : VSTD00515
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005215

Manual IntegrationsAPPROVED

Quant Time: Apr 18 02:09:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:09:16 2023
 Response via : Initial Calibration

Reviewed By :John Carlone 04/18/2023
 Supervised By :Mahesh Dadoda 04/18/2023



TIC: VV030578.D\data.ms

(47) 2-Hexanone-d5 (S)

8.040min (+ 0.007) 9.11 ug/L m

response 5702

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	190.80	149.61
0.00	0.00	0.00
0.00	0.00	0.00

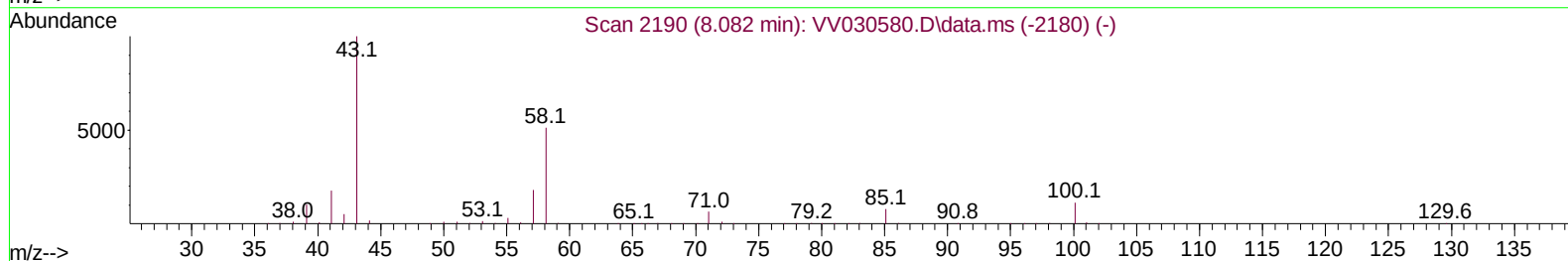
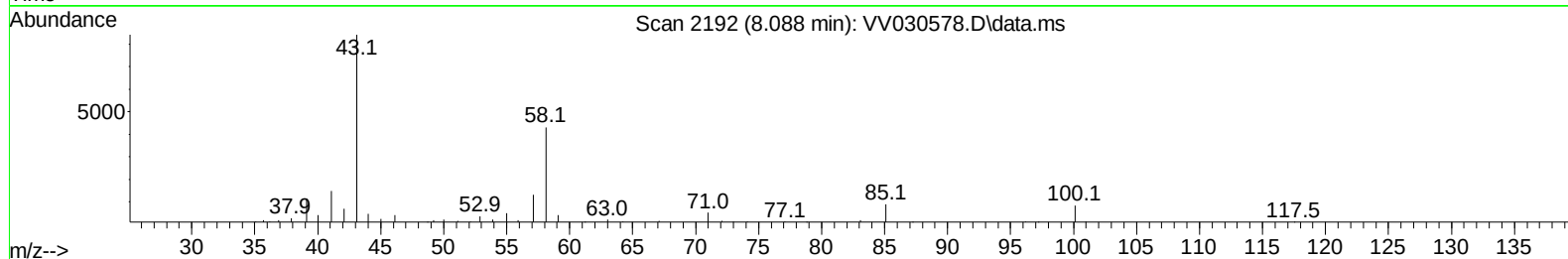
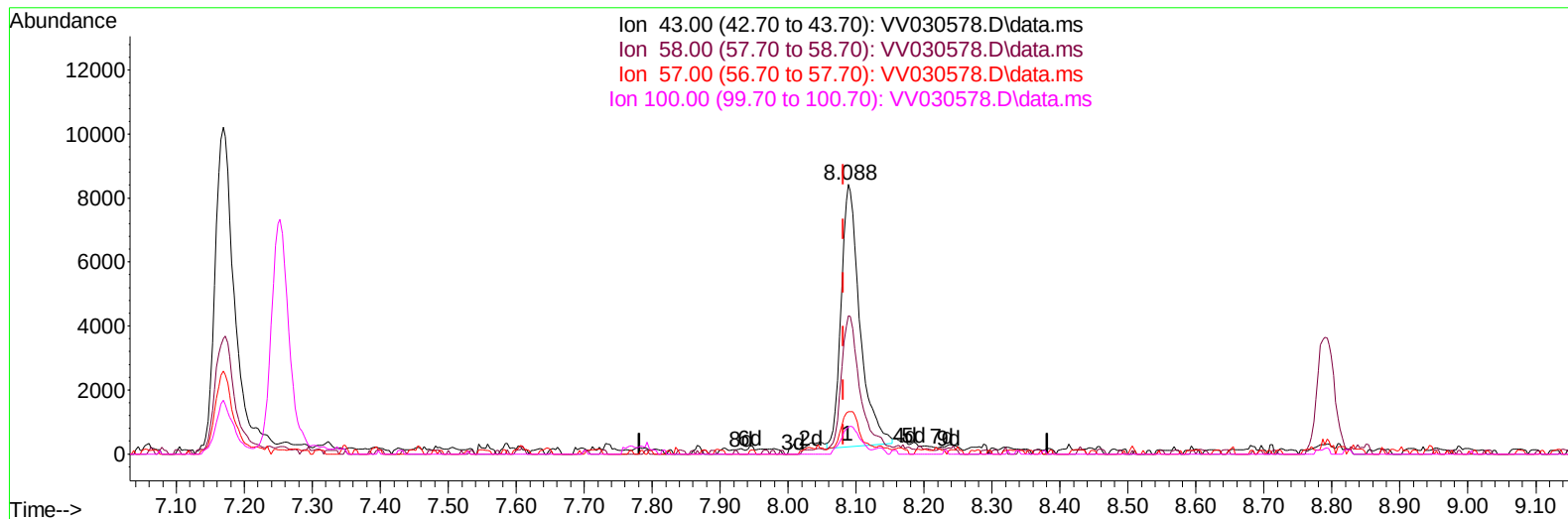
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041723\
Data File : VV030578.D
Acq On : 17 Apr 2023 10:27
Operator : SY/MD
Sample : VSTD00515
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005215

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 04/18/2023
Supervised By :Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 02:09:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 18 02:09:16 2023
Response via : Initial Calibration



TIC: VV030578.D\data.ms

(48) 2-Hexanone (T)

8.088min (+ 0.007) 7.66 ug/L

response 15704

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.70	55.94
57.00	18.60	17.89
100.00	11.30	10.72

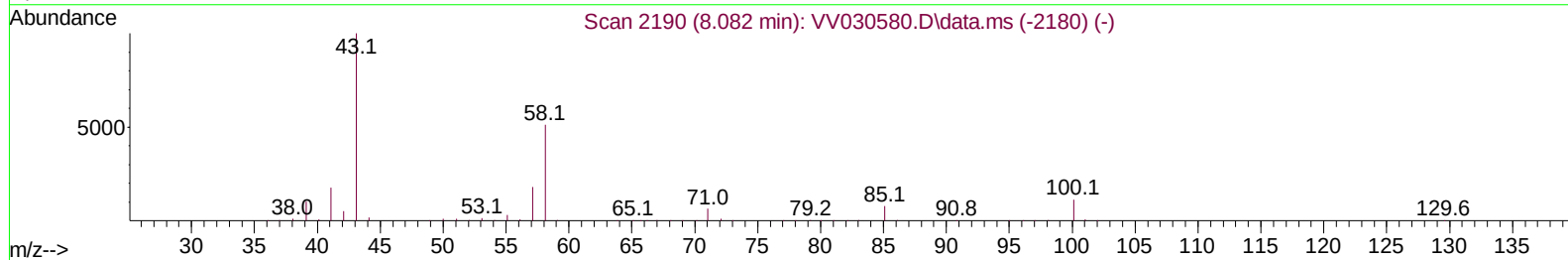
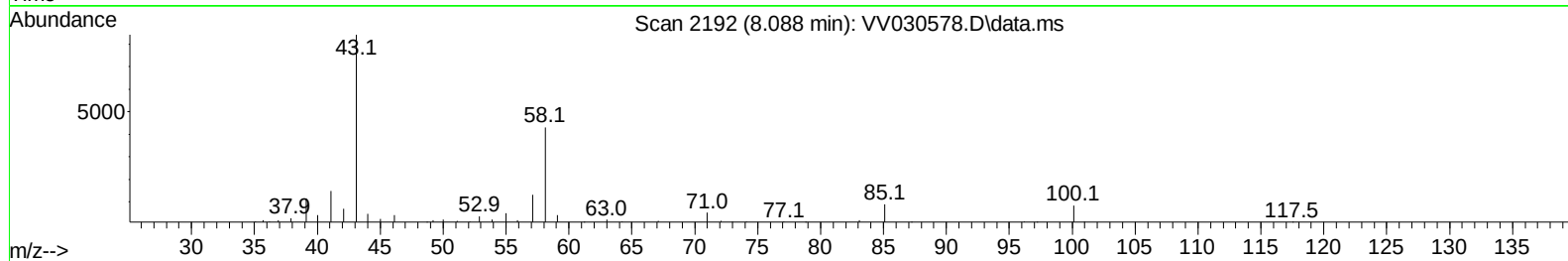
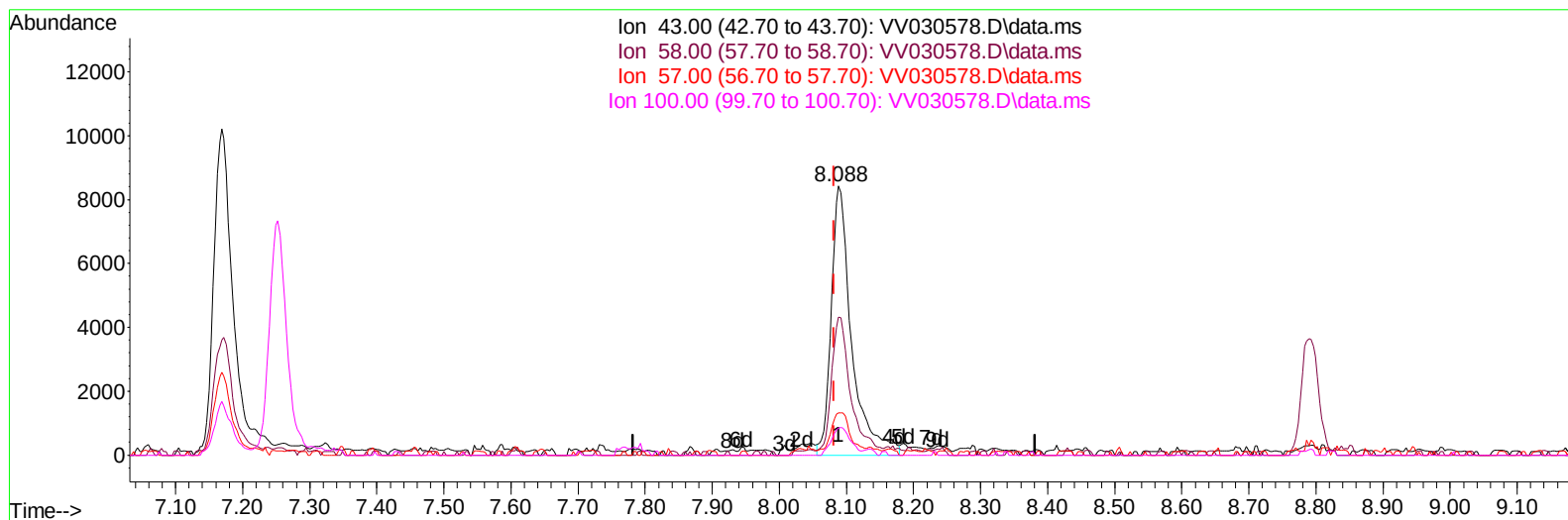
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041723\
Data File : VV030578.D
Acq On : 17 Apr 2023 10:27
Operator : SY/MD
Sample : VSTD00515
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005215

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 04/18/2023
Supervised By :Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 02:09:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 18 02:09:16 2023
Response via : Initial Calibration



TIC: VV030578.D\data.ms

(48) 2-Hexanone (T)

8.088min (+ 0.007) 8.69 ug/L m

response 17831

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.70	49.27
57.00	18.60	15.75
100.00	11.30	9.44

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041723\
 Data File : VV030578.D
 Acq On : 17 Apr 2023 10:27
 Operator : SY/MD
 Sample : VSTD00515
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005215

Manual IntegrationsAPPROVED

Quant Time: Apr 18 02:09:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:09:16 2023
 Response via : Initial Calibration

Reviewed By :John Carlone 04/18/2023
 Supervised By :Mahesh Dadoda 04/18/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	232417	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	226676	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	119811	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	8173	4.797	ug/L	0.00
7) Chloroethane-d5	1.536	69	7313	5.122	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	4243	5.251	ug/L	0.00
21) 2-Butanone-d5	3.828	46	7995m	8.488	ug/L	0.03
24) Chloroform-d	4.262	84	15766	5.106	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.957	65	10021	5.048	ug/L	0.00
32) Benzene-d6	4.973	84	24482	4.568	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	8541	5.131	ug/L	0.00
41) Toluene-d8	7.249	98	21524	4.278	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	3803	4.532	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	5702m	9.112	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.162	84	11302	4.679	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.571	152	9235	4.849	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	10336	5.173	ug/L	97
3) Chloromethane	1.217	50	14599	5.569	ug/L	99
5) Vinyl chloride	1.285	62	10766	5.094	ug/L	99
6) Bromomethane	1.494	94	4391	5.240	ug/L	93
8) Chloroethane	1.555	64	7025	4.847	ug/L	98
9) Trichlorofluoromethane	1.719	101	17621	5.145	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	9241	5.134	ug/L	95
12) 1,1-Dichloroethene	2.076	96	8024	4.931	ug/L	99
13) Acetone	2.130	43	15932	11.002	ug/L	91
14) Carbon disulfide	2.246	76	22542	4.904	ug/L	96
15) Methyl Acetate	2.388	43	8761	4.534	ug/L	96
16) Methylene chloride	2.452	84	10071	5.408	ug/L	99
17) trans-1,2-Dichloroethene	2.703	96	8005	4.872	ug/L	91
18) Methyl tert-butyl Ether	2.709	73	22733	4.320	ug/L	94
19) 1,1-Dichloroethane	3.121	63	17011	5.078	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	7986	4.469	ug/L	93
22) 2-Butanone	3.902	43	13435m	8.847	ug/L	
23) Bromochloromethane	4.159	128	4988	4.997	ug/L	93
25) Chloroform	4.288	83	16447	4.744	ug/L	99
27) 1,2-Dichloroethane	5.053	62	12898	4.396	ug/L #	92
29) Cyclohexane	4.590	56	11633	4.276	ug/L	96
30) 1,1,1-Trichloroethane	4.516	97	15814	4.965	ug/L	96
31) Carbon tetrachloride	4.741	117	13946	4.897	ug/L	99
33) Benzene	5.018	78	30483	4.428	ug/L	100
34) Trichloroethene	5.844	95	8485	4.739	ug/L	93
35) Methylcyclohexane	6.056	83	11752	4.189	ug/L	96
37) 1,2-Dichloropropane	6.105	63	8195	4.423	ug/L #	96
38) Bromodichloromethane	6.439	83	12752	4.900	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	11502	4.136	ug/L	94
40) 4-Methyl-2-pentanone	7.169	43	21590m	8.459	ug/L	
42) Toluene	7.323	91	30507	4.138	ug/L	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041723\
 Data File : VV030578.D
 Acq On : 17 Apr 2023 10:27
 Operator : SY/MD
 Sample : VSTD00515
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005215

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 04/18/2023
 Supervised By :Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 02:09:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:09:16 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.593	75	10492	3.841	ug/L	100
45) 1,1,2-Trichloroethane	7.777	97	8870	4.774	ug/L	96
46) Tetrachloroethene	7.912	164	7626	4.866	ug/L	94
48) 2-Hexanone	8.088	43	17831m	8.694	ug/L	
49) Dibromochloromethane	8.182	129	9825	4.795	ug/L	96
50) 1,2-Dibromoethane	8.291	107	8844	4.594	ug/L #	95
51) Chlorobenzene	8.822	112	23019	4.714	ug/L	97
52) Ethylbenzene	8.953	91	33593	4.116	ug/L	95
53) m,p-Xylene	9.082	106	12509	4.057	ug/L	95
54) o-Xylene	9.487	106	13050	4.327	ug/L	80
55) Styrene	9.503	104	21214	4.004	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	14270	4.678	ug/L	99
59) Bromoform	9.674	173	7567	5.045	ug/L	95
60) Isopropylbenzene	9.873	105	32746	4.382	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	10561	4.922	ug/L	94
62) 1,3,5-Trimethylbenzene	10.484	105	26389	4.289	ug/L	97
63) 1,2,4-Trimethylbenzene	10.860	105	25913	4.219	ug/L	96
64) 1,3-Dichlorobenzene	11.127	146	17201	4.598	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	18739	4.750	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	17449	4.623	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.374	75	3249	5.118	ug/L	95
69) 1,3,5-Trichlorobenzene	12.593	180	12902	4.566	ug/L	98
70) 1,2,4-trichlorobenzene	13.210	180	9742	4.060	ug/L	98
71) Naphthalene	13.448	128	23668	3.606	ug/L	99
72) 1,2,3-Trichlorobenzene	13.690	180	9654	4.058	ug/L	99

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

