

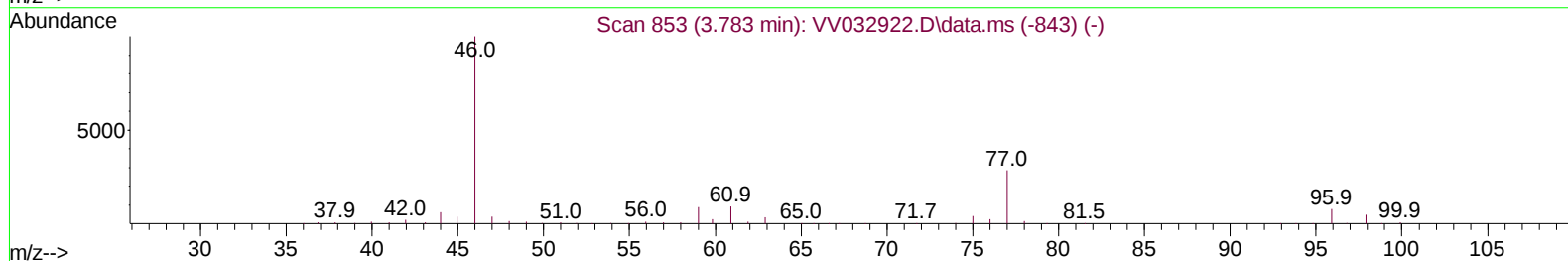
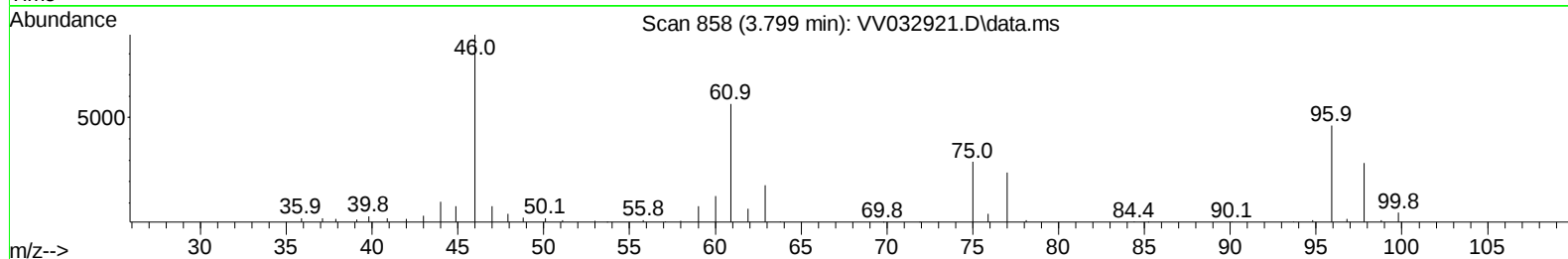
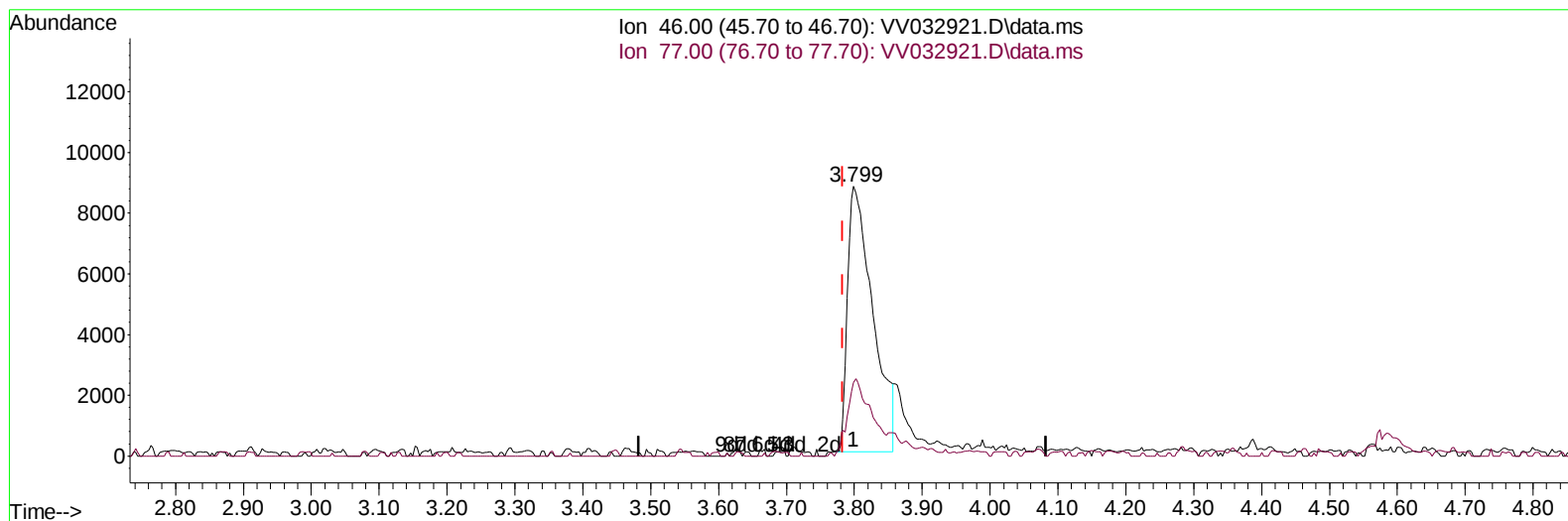
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
 Data File : VV032921.D
 Acq On : 13 Nov 2023 10:21
 Operator : SY/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010280

Manual IntegrationsAPPROVED

Quant Time: Nov 13 22:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023



TIC: VV032921.D\data.ms

(21) 2-Butanone-d5 (S)

3.799min (+ 0.016) 16.08 ug/L

response 22647

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	27.10	19.06
0.00	0.00	0.00
0.00	0.00	0.00

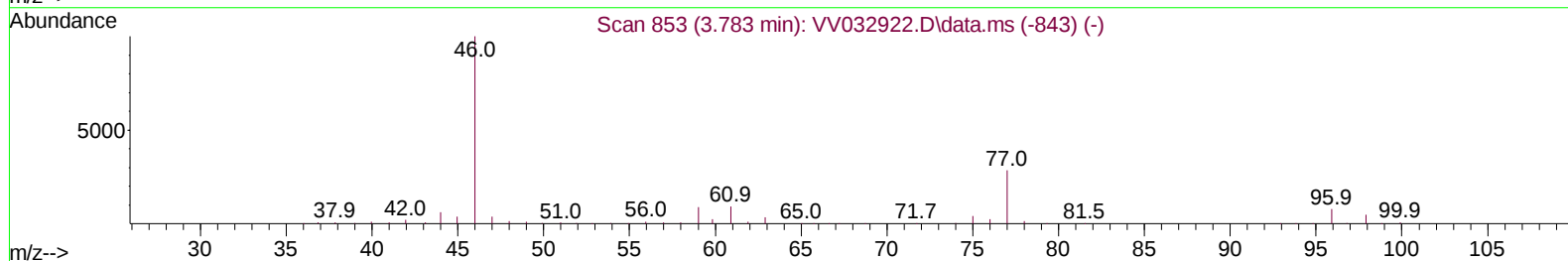
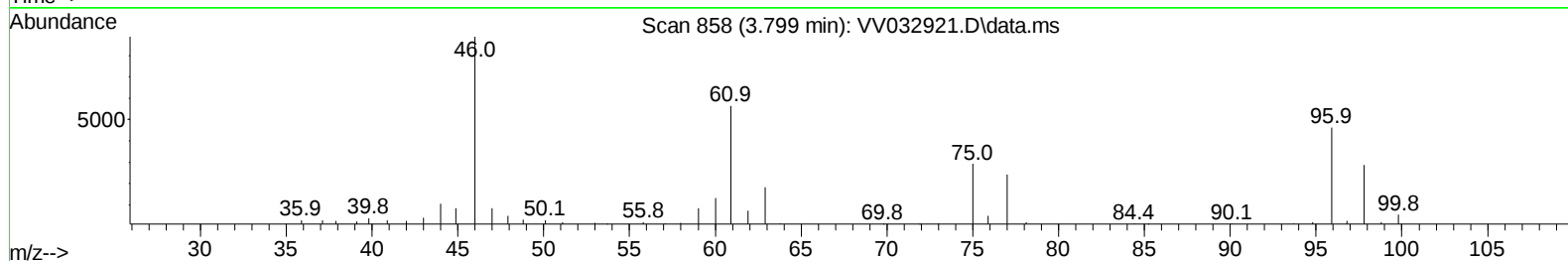
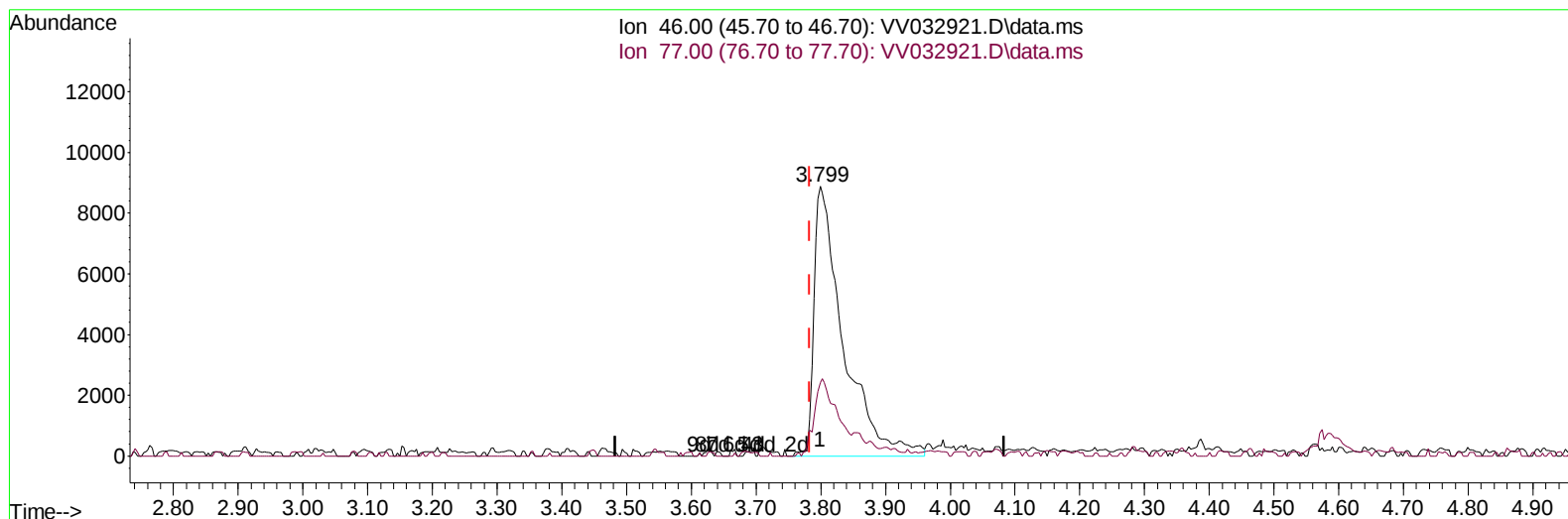
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
 Data File : VV032921.D
 Acq On : 13 Nov 2023 10:21
 Operator : SY/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010280

Manual IntegrationsAPPROVED

Quant Time: Nov 13 22:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023



TIC: VV032921.D\data.ms

(21) 2-Butanone-d5 (S)

3.799min (+ 0.016) 19.85 ug/L m

response 27960

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	27.10	15.44#
0.00	0.00	0.00
0.00	0.00	0.00

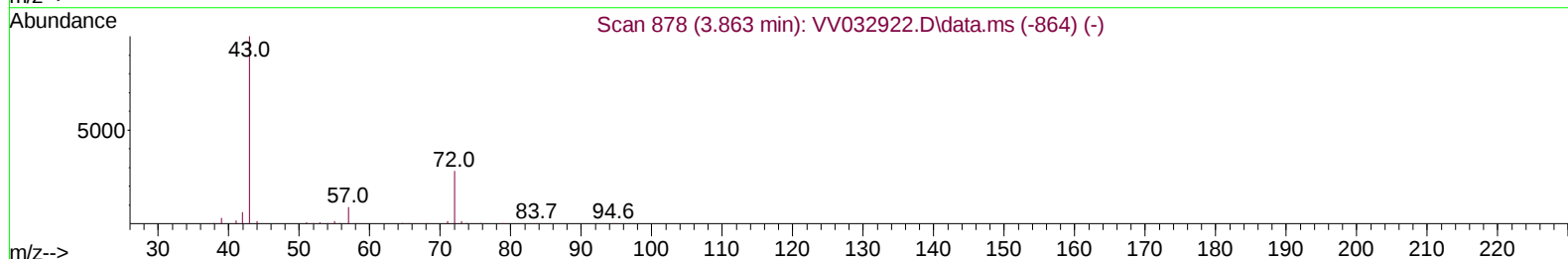
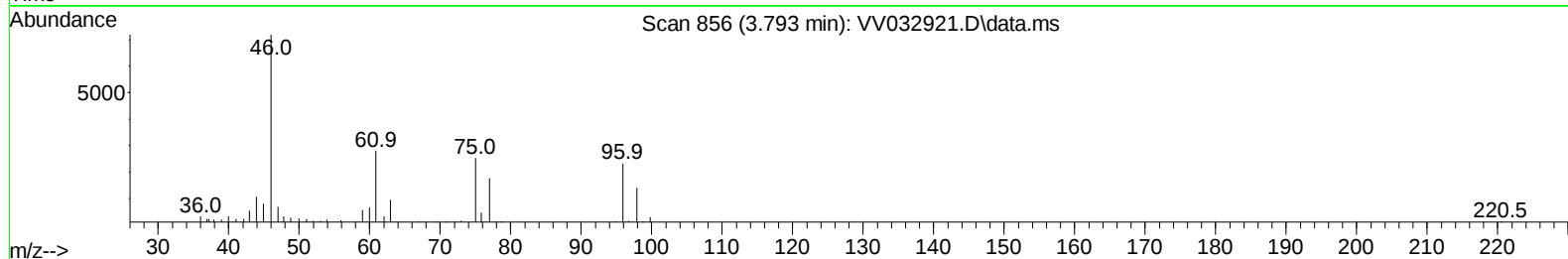
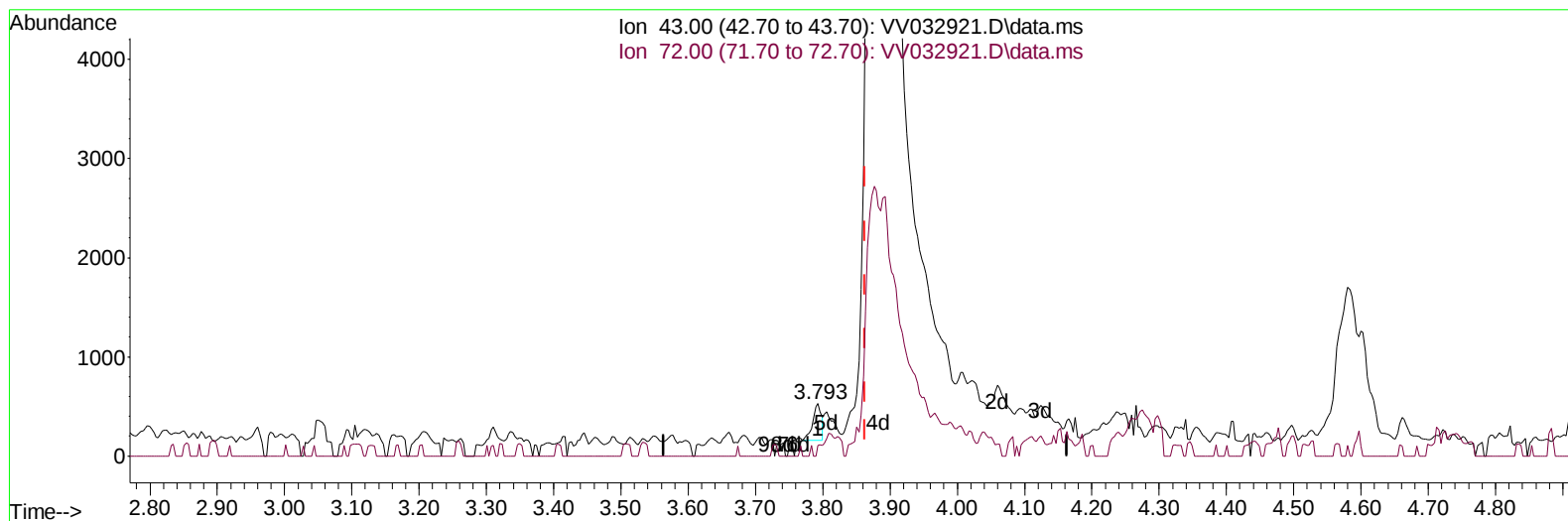
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
 Data File : VV032921.D
 Acq On : 13 Nov 2023 10:21
 Operator : SY/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010280

Manual IntegrationsAPPROVED

Quant Time: Nov 13 22:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023



TIC: VV032921.D\data.ms

(22) 2-Butanone (T)

3.793min (-0.071) 0.19 ug/L

response 333

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	27.90	18.92
0.00	0.00	0.00
0.00	0.00	0.00

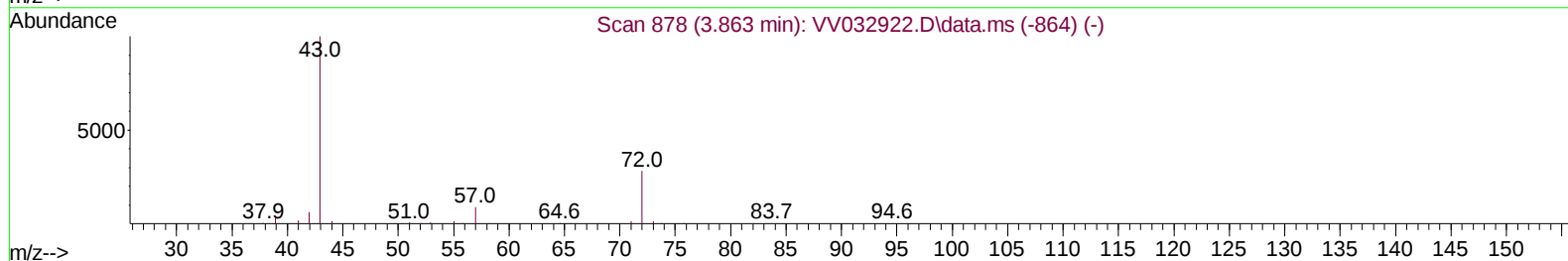
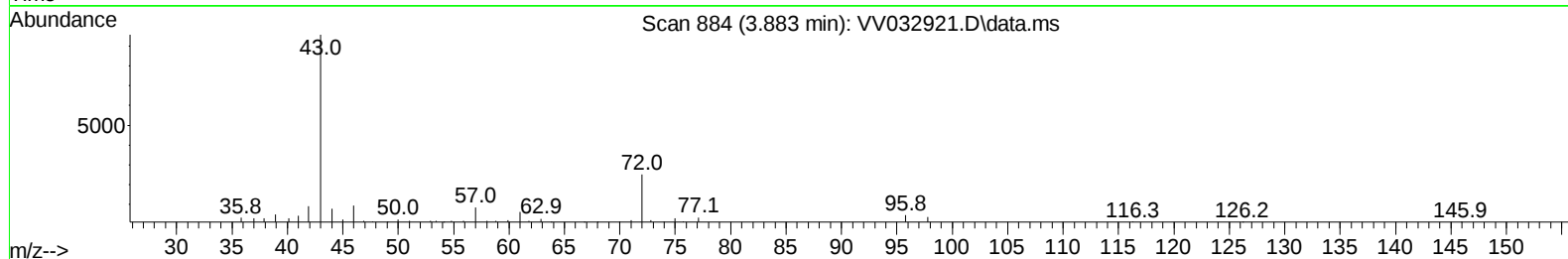
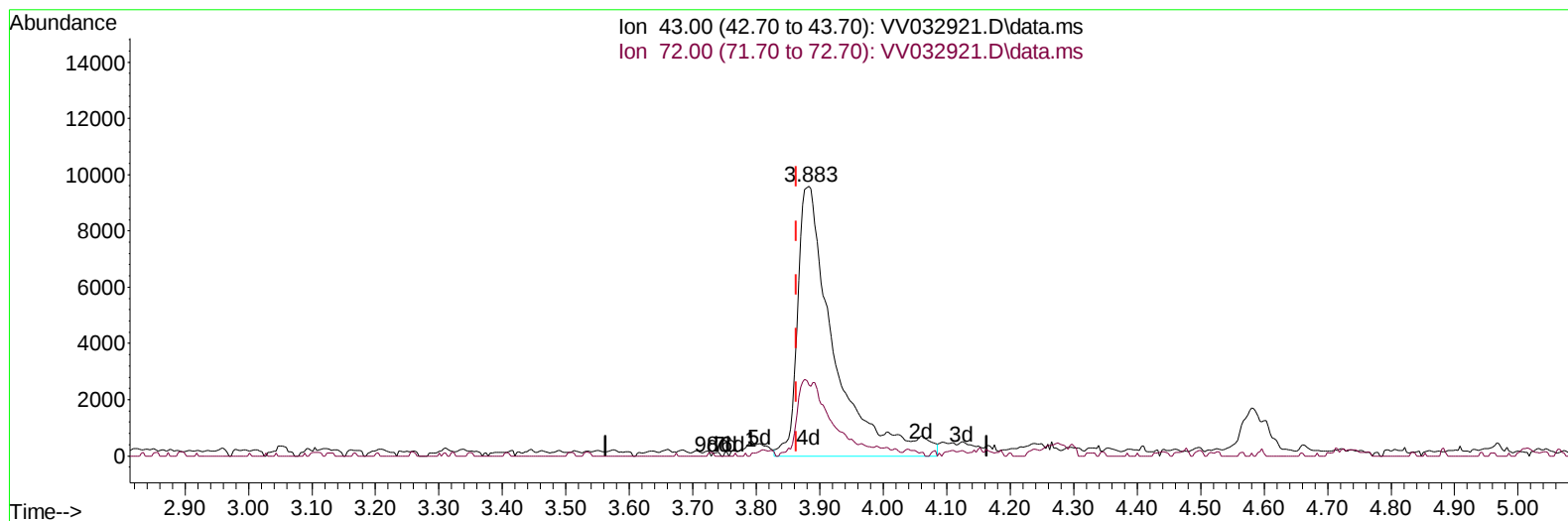
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
 Data File : VV032921.D
 Acq On : 13 Nov 2023 10:21
 Operator : SY/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010280

Manual IntegrationsAPPROVED

Quant Time: Nov 13 22:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023



TIC: VV032921.D\data.ms

(22) 2-Butanone (T)

3.883min (+ 0.019) 21.69 ug/L m

response 38208

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	27.90	0.16#
0.00	0.00	0.00
0.00	0.00	0.00

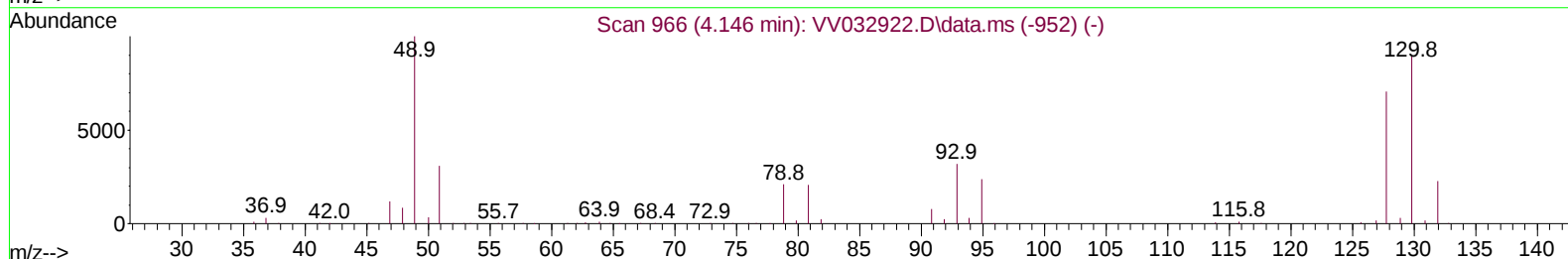
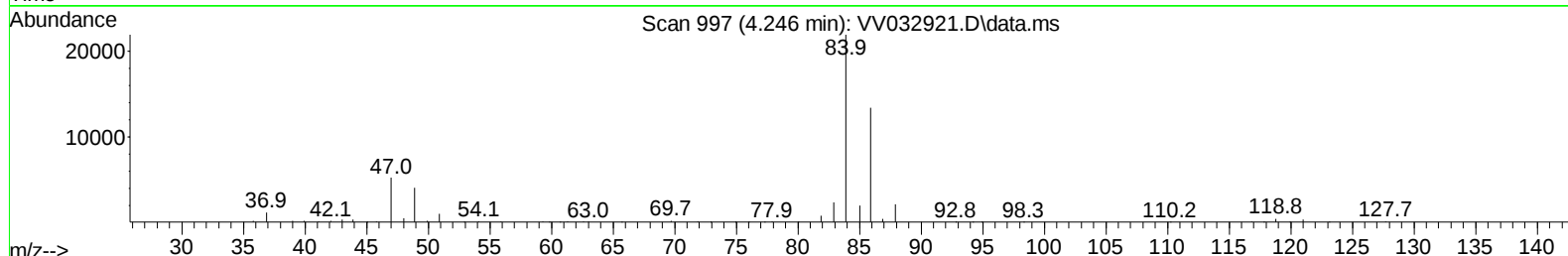
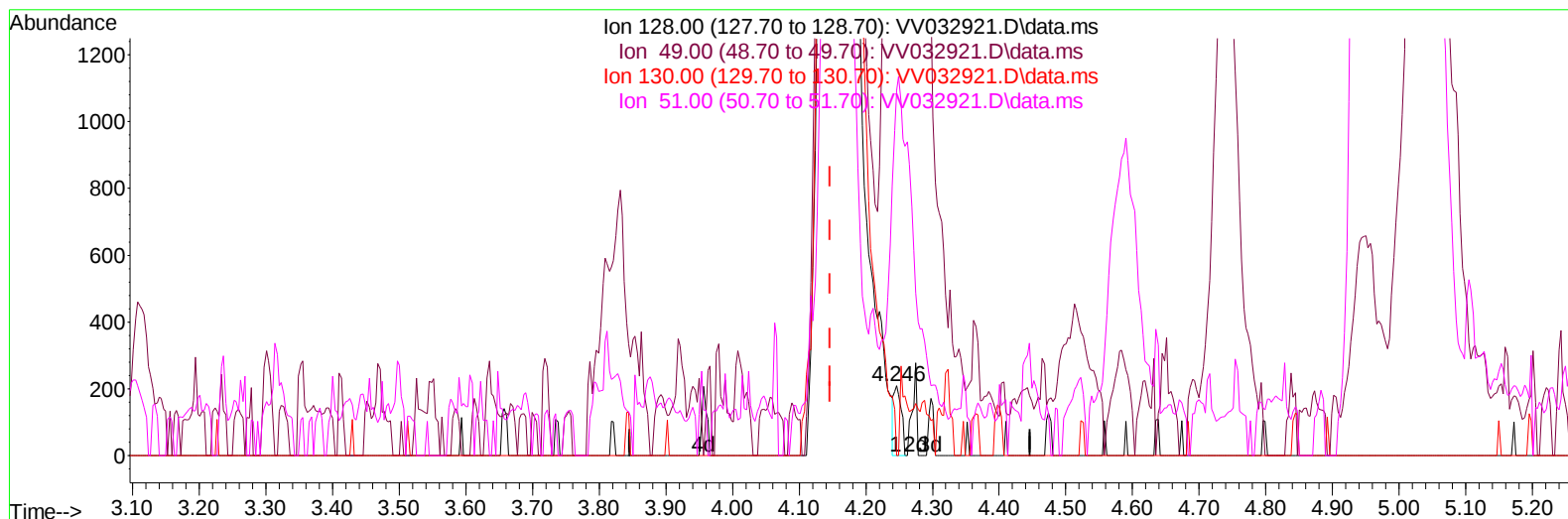
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
Data File : VV032921.D
Acq On : 13 Nov 2023 10:21
Operator : SY/MD
Sample : VSTD01080
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD010280

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023

Quant Time: Nov 13 22:48:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323wMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 13 22:47:32 2023
Response via : Initial Calibration



TIC: VV032921.D\data.ms

(23) Bromochloromethane (T)

4.246min (+ 0.100) 0.09 ug/L

response 162

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	142.40	1957.62#
130.00	126.70	0.00#
51.00	43.60	520.95#

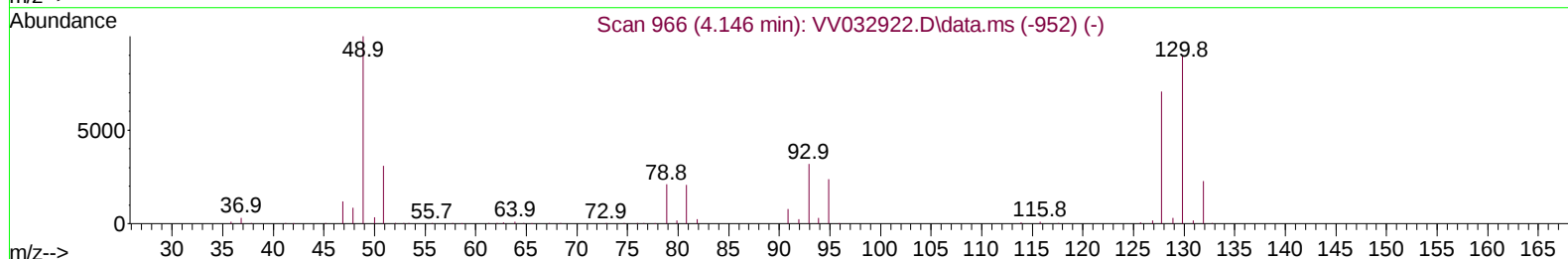
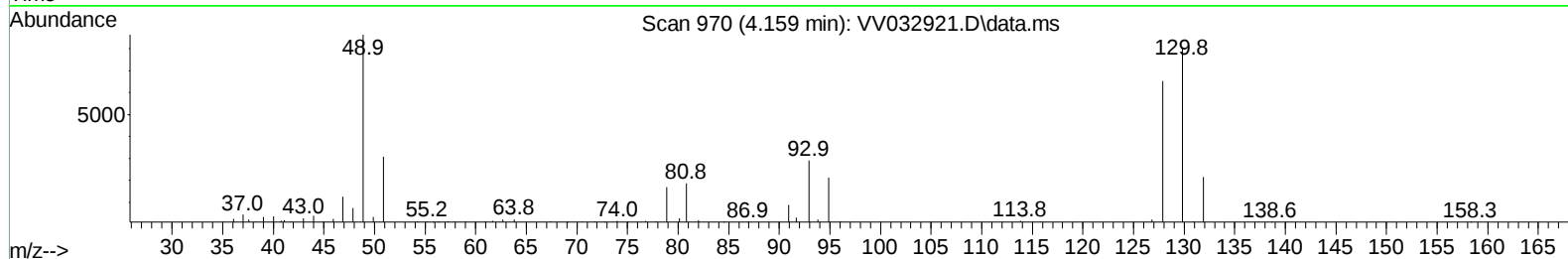
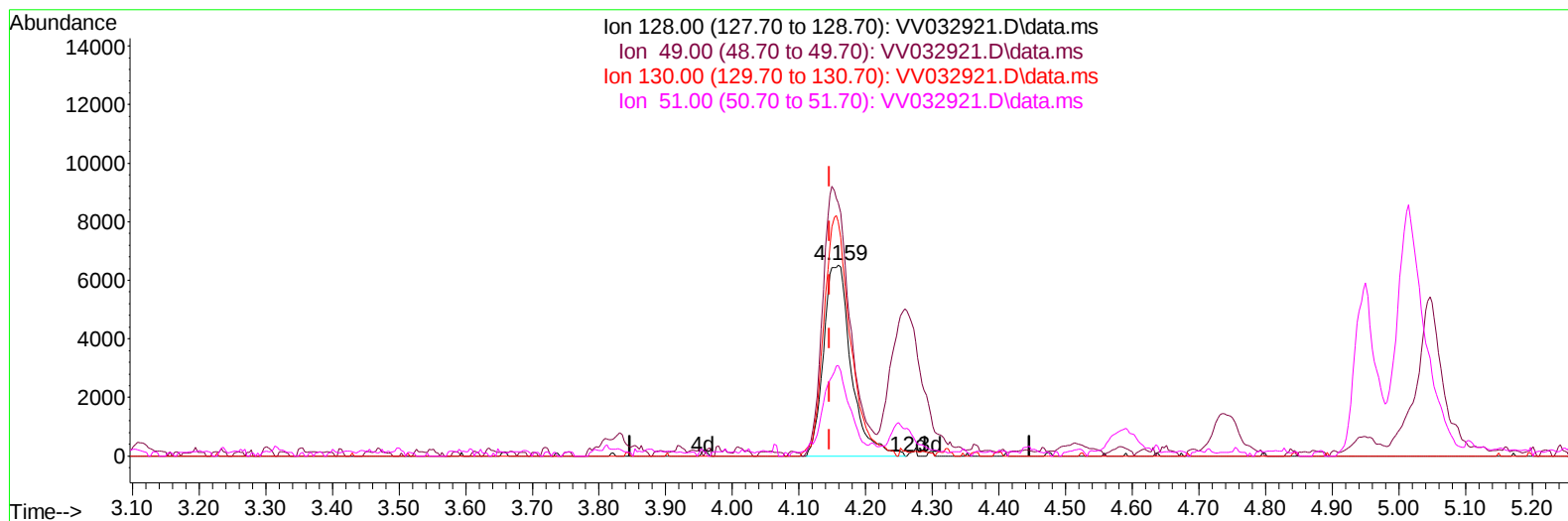
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
 Data File : VV032921.D
 Acq On : 13 Nov 2023 10:21
 Operator : SY/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010280

Manual IntegrationsAPPROVED

Quant Time: Nov 13 22:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023



TIC: VV032921.D\data.ms

(23) Bromochloromethane (T)

4.159min (+ 0.013) 10.82 ug/L m

response 18707

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	142.40	132.37
130.00	126.70	122.48
51.00	43.60	47.26

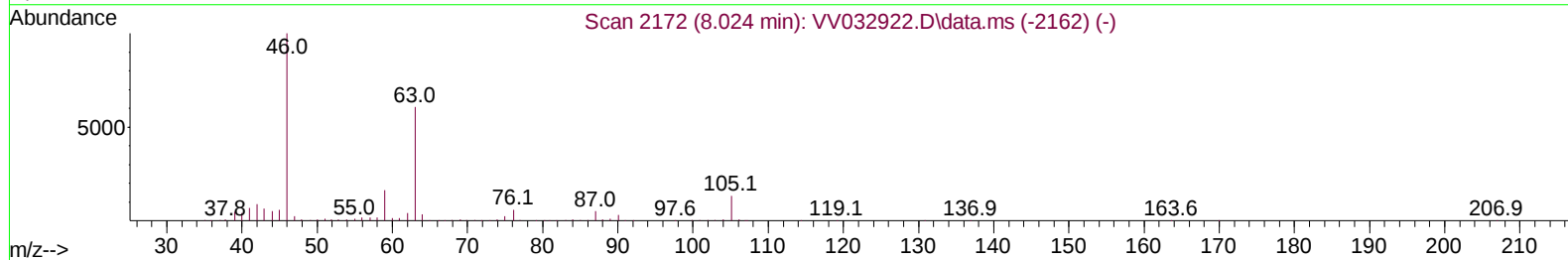
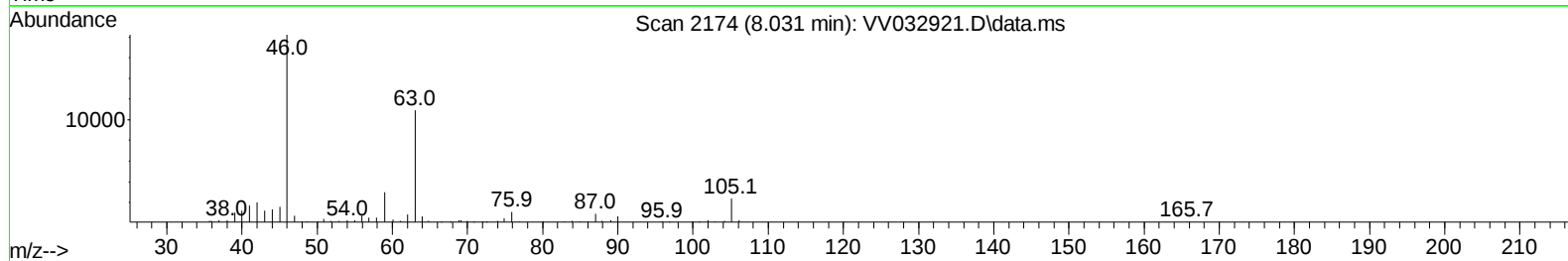
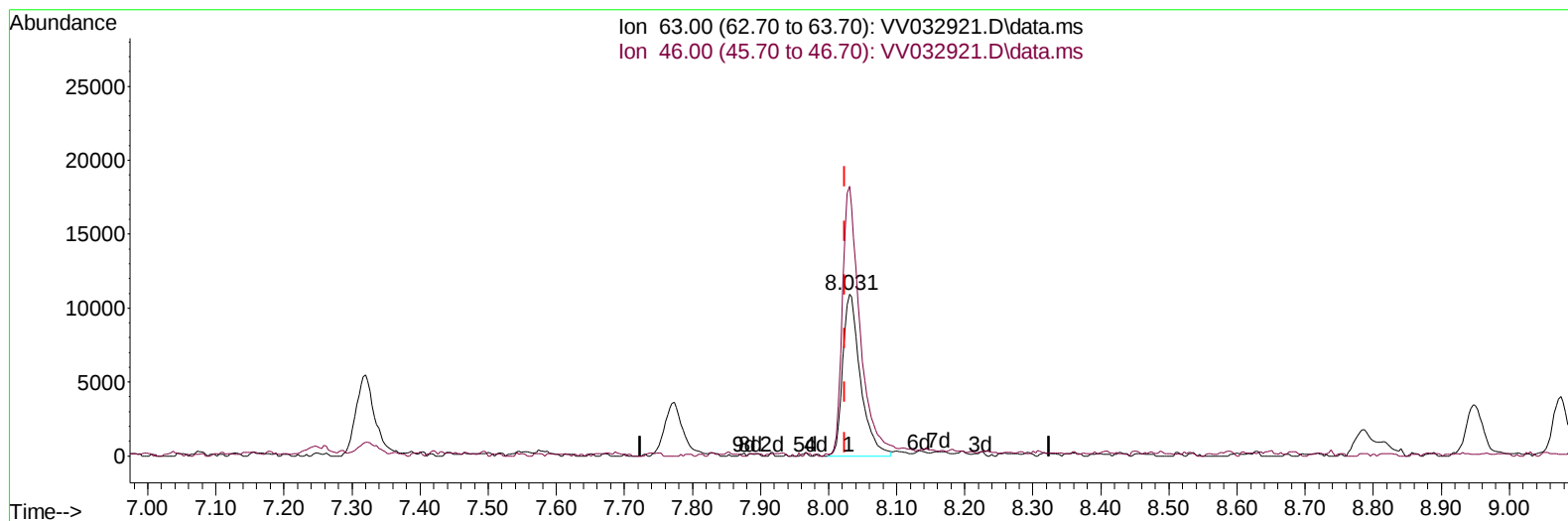
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
 Data File : VV032921.D
 Acq On : 13 Nov 2023 10:21
 Operator : SY/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010280

Manual IntegrationsAPPROVED

Quant Time: Nov 13 22:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023



TIC: VV032921.D\data.ms

(47) 2-Hexanone-d5 (S)

8.031min (+ 0.007) 16.81 ug/L

response 19839

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	171.30	163.53
0.00	0.00	0.00
0.00	0.00	0.00

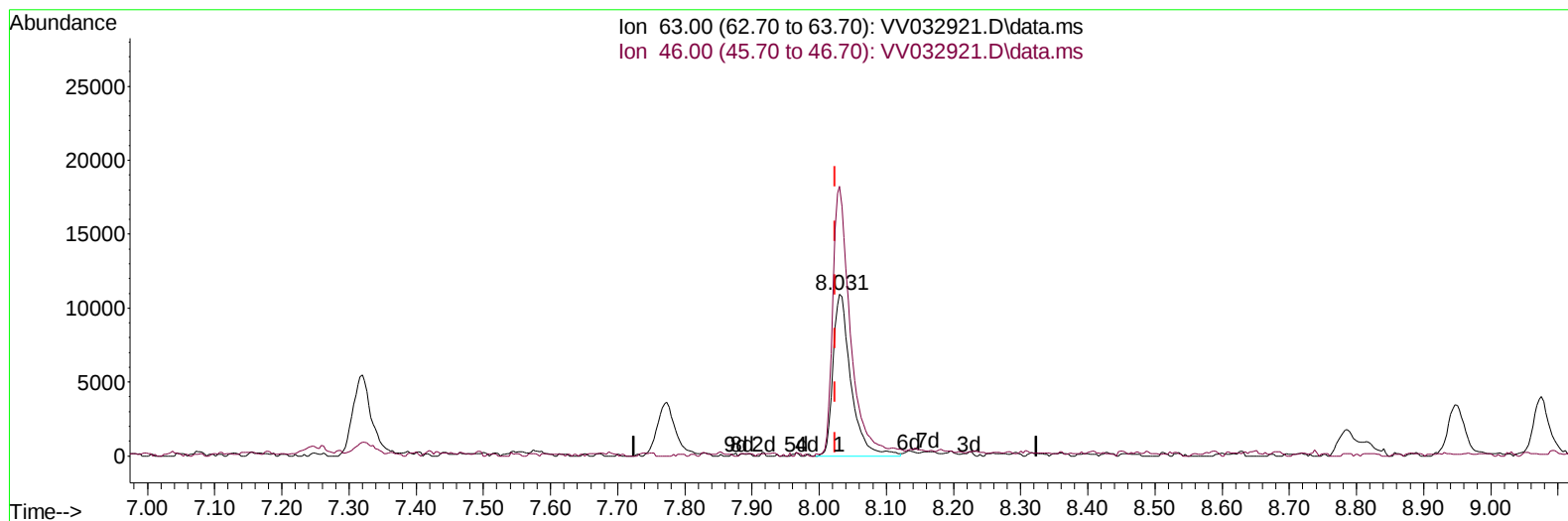
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
 Data File : VV032921.D
 Acq On : 13 Nov 2023 10:21
 Operator : SY/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010280

Manual IntegrationsAPPROVED

Quant Time: Nov 13 22:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023



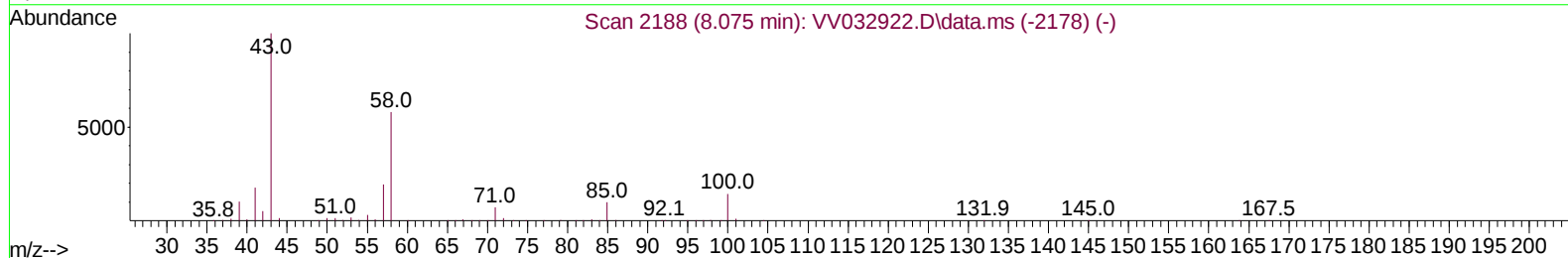
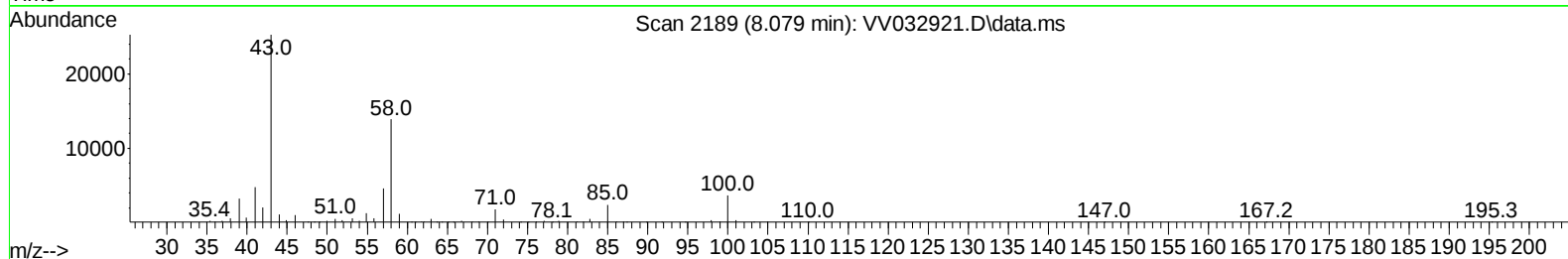
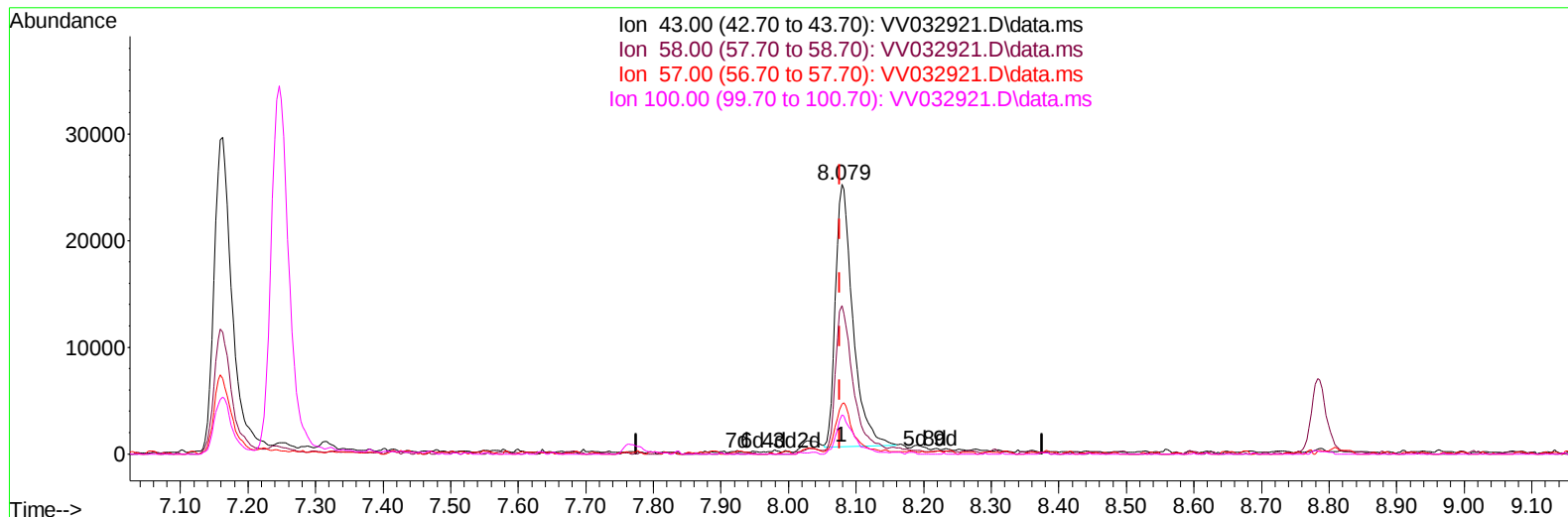
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
 Data File : VV032921.D
 Acq On : 13 Nov 2023 10:21
 Operator : SY/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010280

Manual IntegrationsAPPROVED

Quant Time: Nov 13 22:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023



TIC: VV032921.D\data.ms

(48) 2-Hexanone (T)

8.079min (+ 0.003) 17.94 ug/L

response 44392

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	56.00	56.40
57.00	19.00	18.32
100.00	14.40	14.80

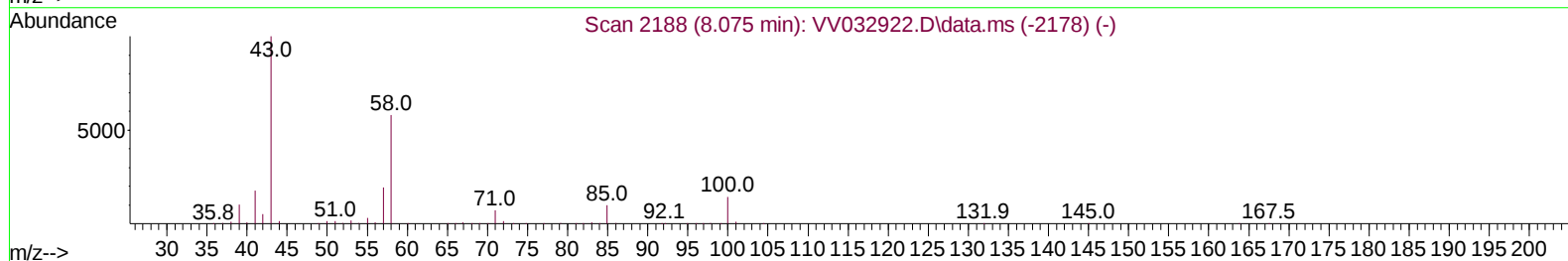
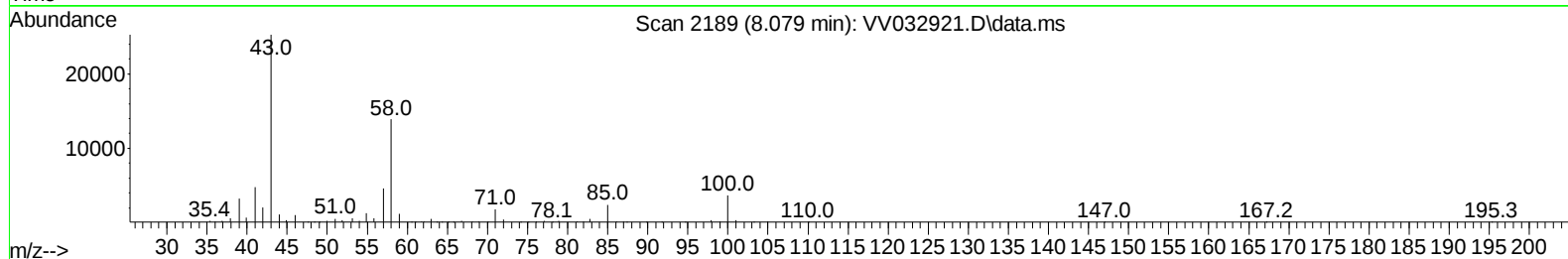
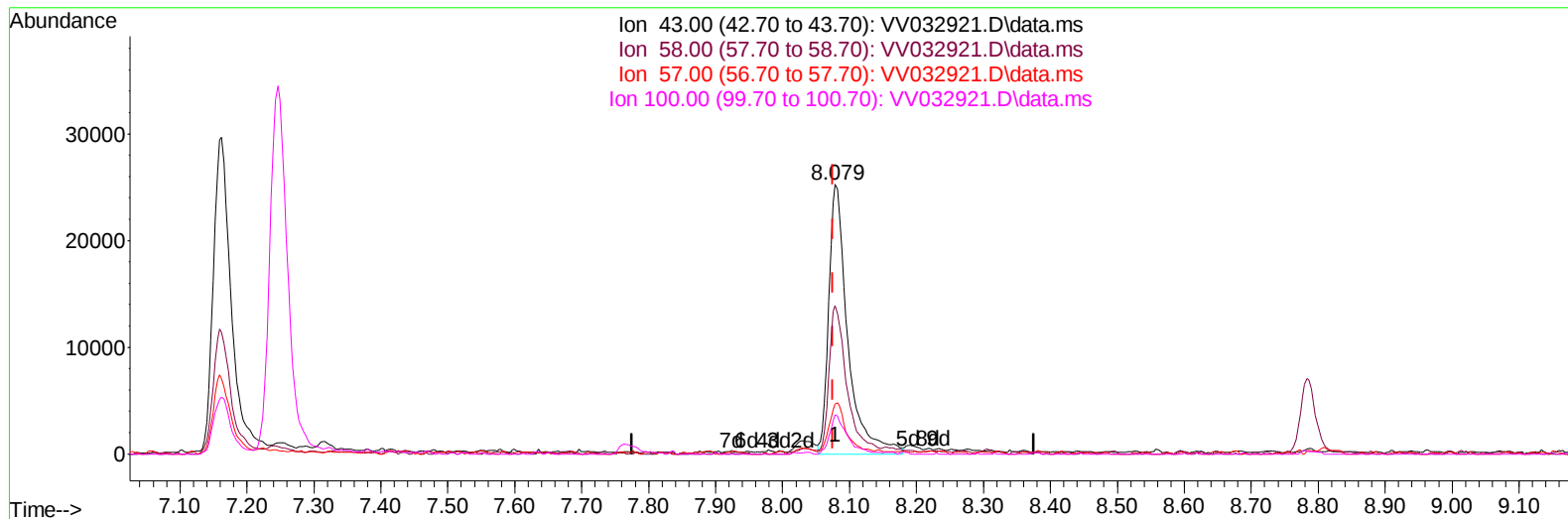
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
 Data File : VV032921.D
 Acq On : 13 Nov 2023 10:21
 Operator : SY/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010280

Manual IntegrationsAPPROVED

Quant Time: Nov 13 22:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023



TIC: VV032921.D\data.ms

(48) 2-Hexanone (T)

8.079min (+ 0.003) 20.09 ug/L m

response 49696

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	56.00	50.38
57.00	19.00	16.37
100.00	14.40	13.22

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
 Data File : VV032921.D
 Acq On : 13 Nov 2023 10:21
 Operator : SY/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010280

Manual IntegrationsAPPROVED

Quant Time: Nov 13 22:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	410015	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	413738	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	220397	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	35753	10.310	ug/L	0.00
7) Chloroethane-d5	1.532	69	28909	10.062	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	15075	9.978	ug/L	0.00
21) 2-Butanone-d5	3.799	46	27960m	19.854	ug/L	0.02
24) Chloroform-d	4.253	84	61625	10.287	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	36414	9.989	ug/L	0.00
32) Benzene-d6	4.963	84	112047	9.929	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	32837	10.011	ug/L	0.00
41) Toluene-d8	7.246	98	100032	9.615	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	15934	9.151	ug/L	0.00
47) 2-Hexanone-d5	8.031	63	20276m	17.182	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	47559	9.898	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	42352	9.889	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	38532	10.868	ug/L	98
3) Chloromethane	1.217	50	36803	10.506	ug/L	98
5) Vinyl chloride	1.285	62	37290	10.579	ug/L	97
6) Bromomethane	1.487	94	24890	10.652	ug/L	93
8) Chloroethane	1.552	64	23176	10.412	ug/L	99
9) Trichlorofluoromethane	1.716	101	59362	10.607	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	34370	10.601	ug/L	99
12) 1,1-Dichloroethene	2.073	96	30176	10.405	ug/L	98
13) Acetone	2.111	43	43548	21.945	ug/L	96
14) Carbon disulfide	2.243	76	85803	10.389	ug/L	98
15) Methyl Acetate	2.375	43	23689	10.153	ug/L	97
16) Methylene chloride	2.449	84	32985	10.661	ug/L	97
17) trans-1,2-Dichloroethene	2.700	96	29087	10.131	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	82566	9.799	ug/L	98
19) 1,1-Dichloroethane	3.114	63	54104	10.548	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	30765	9.950	ug/L	96
22) 2-Butanone	3.883	43	38208m	21.685	ug/L	
23) Bromochloromethane	4.159	128	18707m	10.816	ug/L	
25) Chloroform	4.281	83	59404	10.496	ug/L	95
27) 1,2-Dichloroethane	5.047	62	43890	10.280	ug/L	97
29) Cyclohexane	4.584	56	38055	9.571	ug/L #	93
30) 1,1,1-Trichloroethane	4.513	97	53422	10.536	ug/L	96
31) Carbon tetrachloride	4.735	117	47210	10.412	ug/L	99
33) Benzene	5.015	78	114802	10.216	ug/L	100
34) Trichloroethene	5.838	95	31350	10.265	ug/L	94
35) Methylcyclohexane	6.050	83	44623	9.695	ug/L	99
37) 1,2-Dichloropropane	6.098	63	29593	10.545	ug/L #	96
38) Bromodichloromethane	6.436	83	42630	10.183	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	43581	9.338	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	54175	18.103	ug/L	99
42) Toluene	7.320	91	122952	10.027	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
 Data File : VV032921.D
 Acq On : 13 Nov 2023 10:21
 Operator : SY/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010280

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023

Quant Time: Nov 13 22:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.587	75	42586	9.394	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	31399	10.083	ug/L	99
46) Tetrachloroethene	7.908	164	27555	10.489	ug/L	97
48) 2-Hexanone	8.079	43	49696m	20.085	ug/L	
49) Dibromochloromethane	8.178	129	33331	9.935	ug/L	98
50) 1,2-Dibromoethane	8.284	107	34053	10.273	ug/L	99
51) Chlorobenzene	8.815	112	87450	10.295	ug/L	99
52) Ethylbenzene	8.950	91	131786	9.705	ug/L	99
53) m,p-Xylene	9.075	106	49498	9.480	ug/L	96
54) o-Xylene	9.481	106	46269	9.190	ug/L	94
55) Styrene	9.497	104	82760	9.319	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	48763	10.178	ug/L	97
59) Bromoform	9.667	173	23033	9.824	ug/L	97
60) Isopropylbenzene	9.870	105	126879	9.725	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	34095	10.568	ug/L	96
62) 1,3,5-Trimethylbenzene	10.477	105	89585	9.052	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	90879	8.782	ug/L	97
64) 1,3-Dichlorobenzene	11.120	146	69517	10.216	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	77606	10.634	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	68893	10.068	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.365	75	8988	9.969	ug/L	93
69) 1,3,5-Trichlorobenzene	12.583	180	50651	9.921	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	44191	9.636	ug/L	97
71) Naphthalene	13.442	128	107662	8.933	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	45605	9.881	ug/L	96

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

