

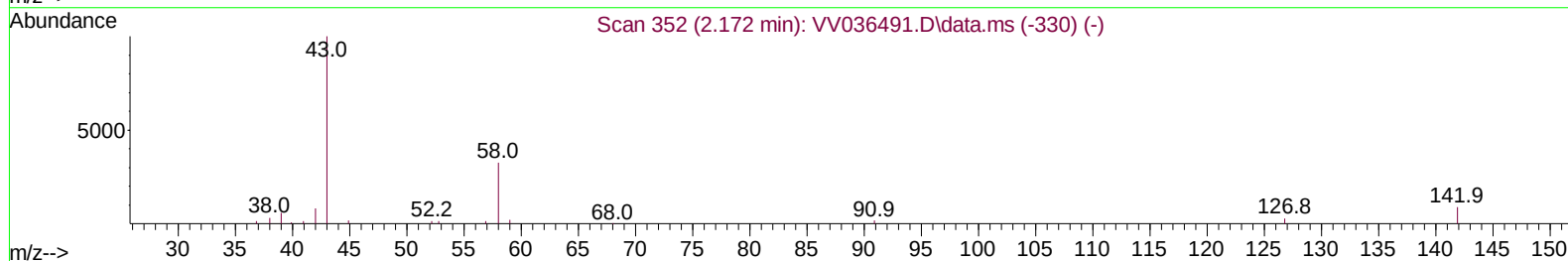
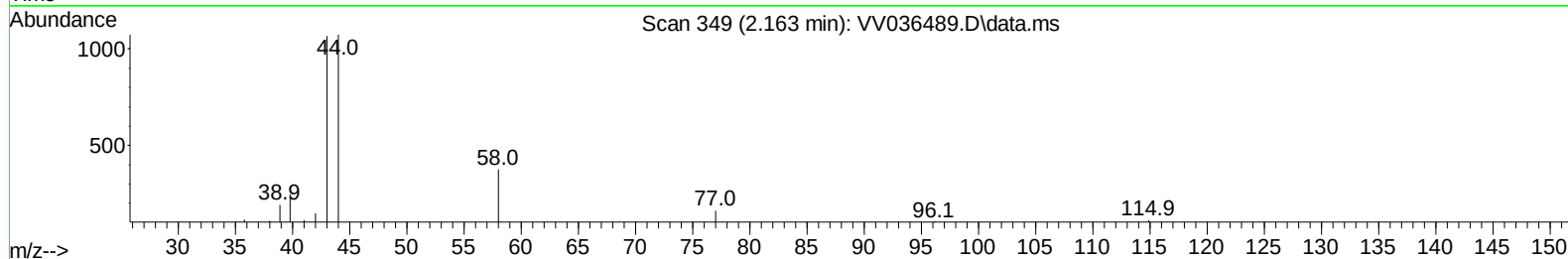
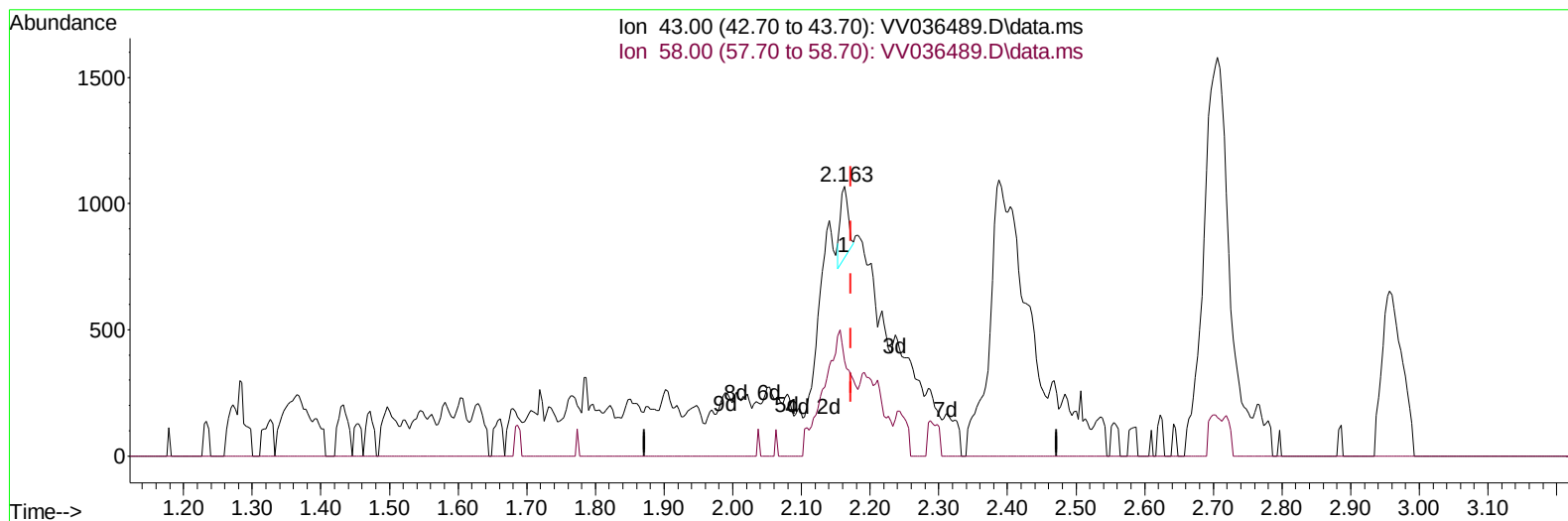
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
Data File : VV036489.D
Acq On : 11 Jul 2024 10:27
Operator : SY/MD
Sample : VSTD2.513
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.5213

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024

Quant Time: Jul 12 01:09:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 12 01:09:21 2024
Response via : Initial Calibration



TIC: VV036489.D\data.ms

(13) Acetone (T)

2.163min (-0.009) 0.20 ug/L

response 225

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	14.20	468.89#
0.00	0.00	0.00
0.00	0.00	0.00

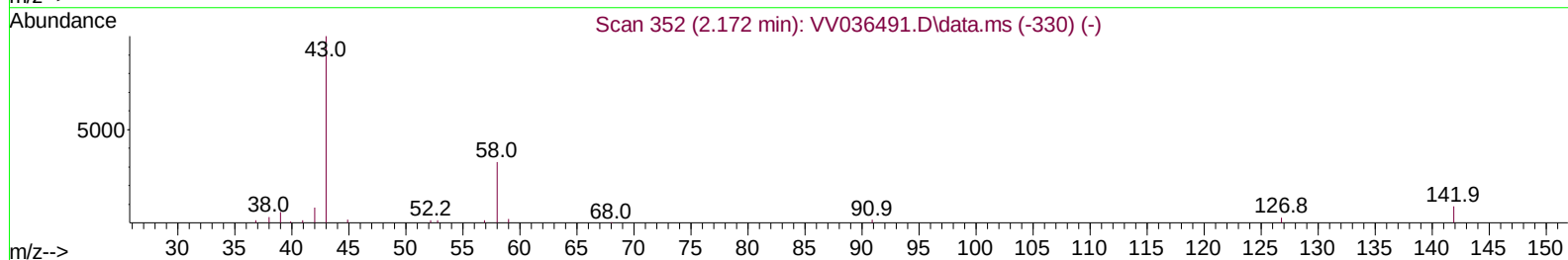
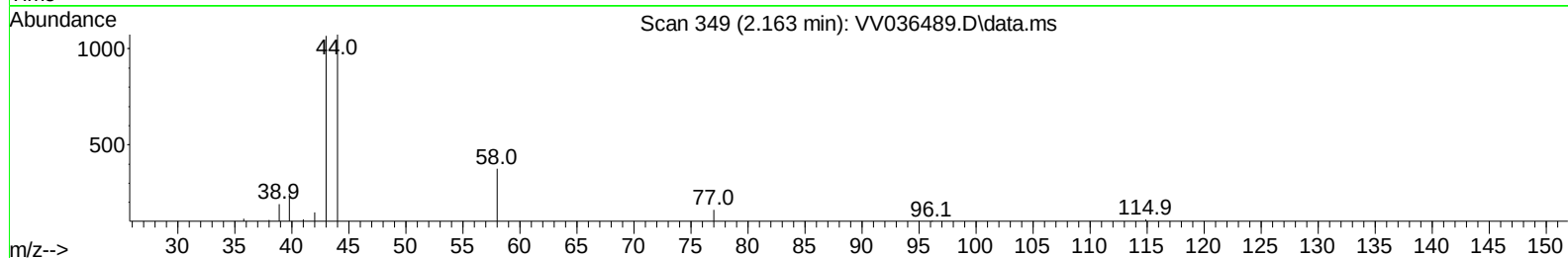
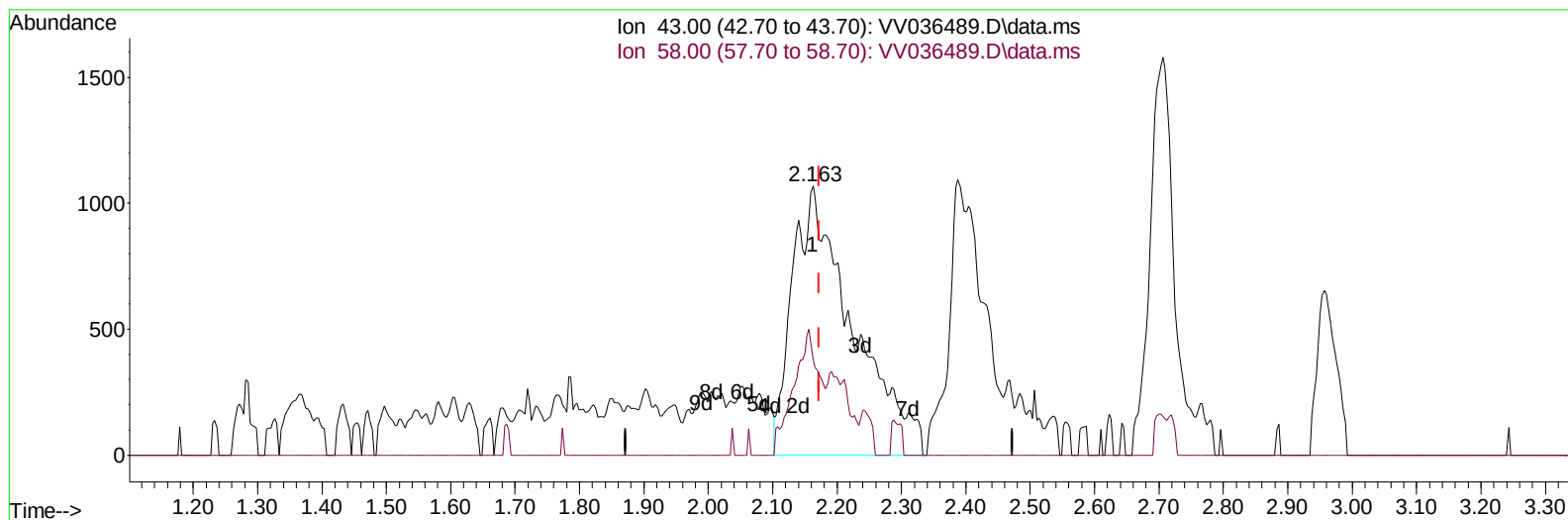
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
Data File : VV036489.D
Acq On : 11 Jul 2024 10:27
Operator : SY/MD
Sample : VSTD2.513
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.5213

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:09:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 12 01:09:21 2024
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024



TIC: VV036489.D\data.ms

(13) Acetone (T)

2.163min (-0.009) 6.10 ug/L m

response 6918

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	14.20	15.25
0.00	0.00	0.00
0.00	0.00	0.00

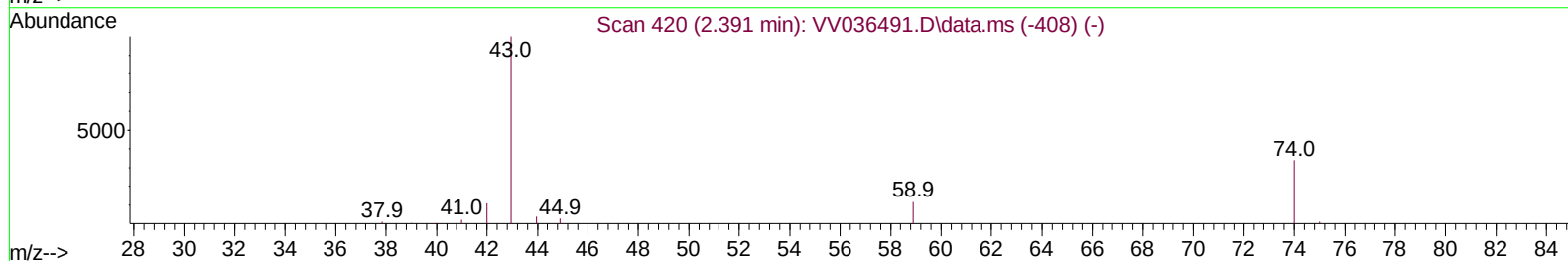
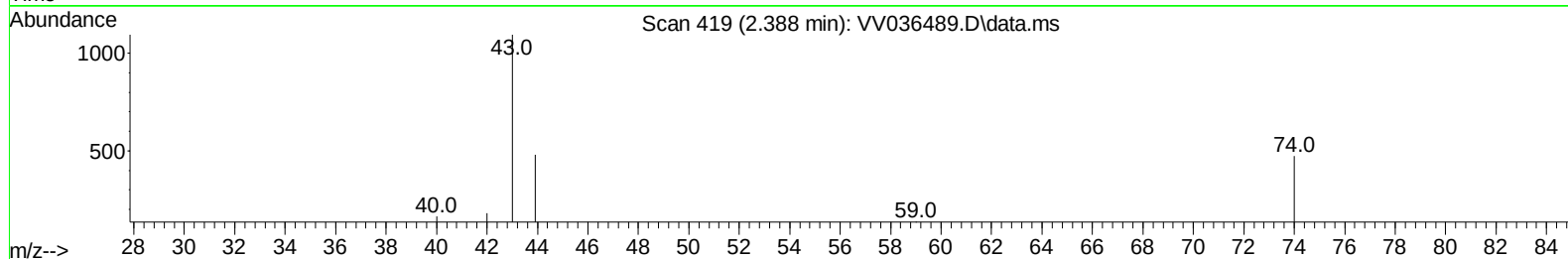
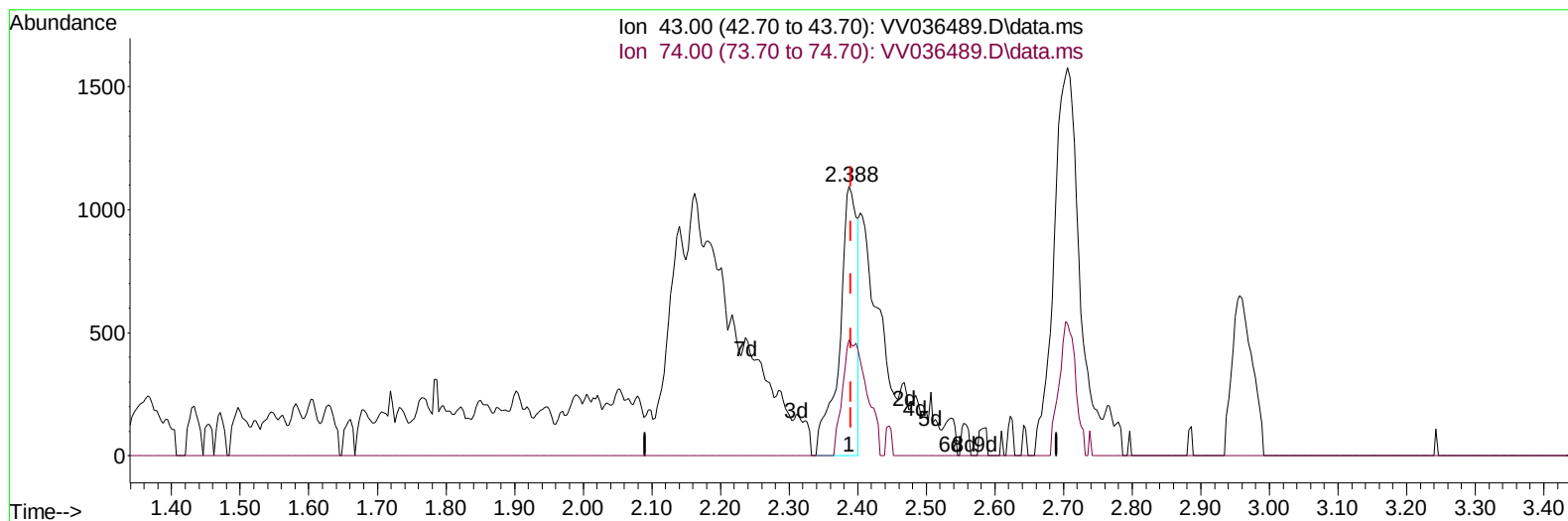
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
 Data File : VV036489.D
 Acq On : 11 Jul 2024 10:27
 Operator : SY/MD
 Sample : VSTD2.513
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.5213

Manual IntegrationsAPPROVED

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 Supervised By :Mahesh Dadoda 07/15/2024

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:09:21 2024
 Response via : Initial Calibration



TIC: VV036489.D\data.ms

(15) Methyl Acetate (T)

2.388min (-0.003) 1.58 ug/L

response 1994

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	32.90	27.98
0.00	0.00	0.00
0.00	0.00	0.00

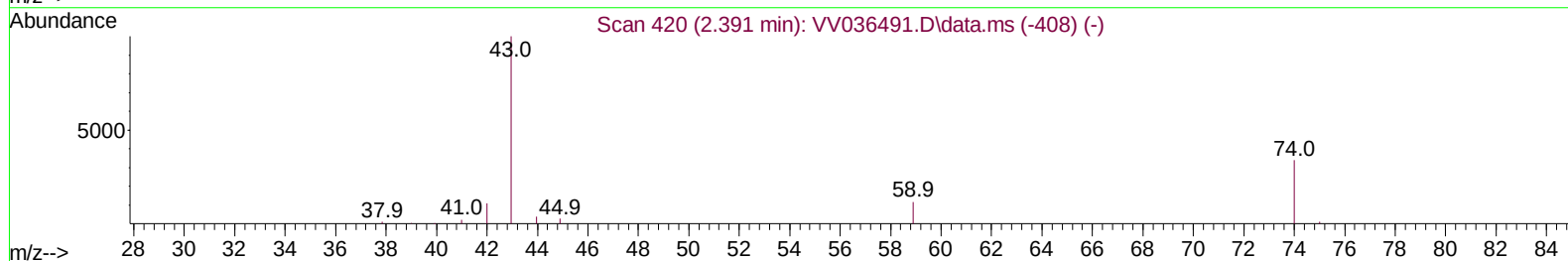
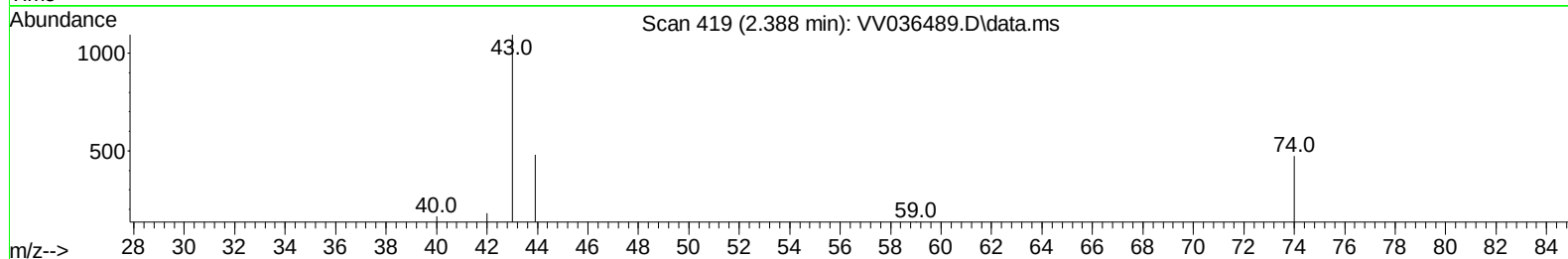
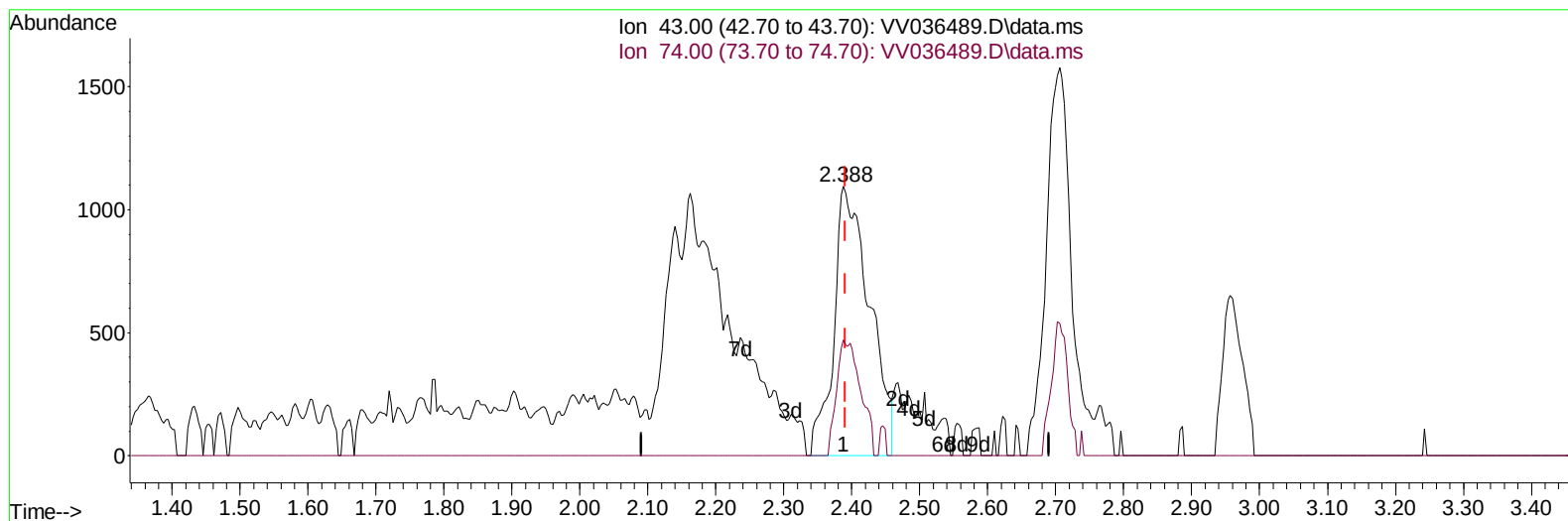
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
 Data File : VV036489.D
 Acq On : 11 Jul 2024 10:27
 Operator : SY/MD
 Sample : VSTD2.513
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.5213

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2024
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Quant Time: Jul 12 01:09:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:09:21 2024
 Response via : Initial Calibration



TIC: VV036489.D\data.ms

(15) Methyl Acetate (T)

2.388min (-0.003) 3.15 ug/L m

response 3974

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	32.90	14.04#
0.00	0.00	0.00
0.00	0.00	0.00

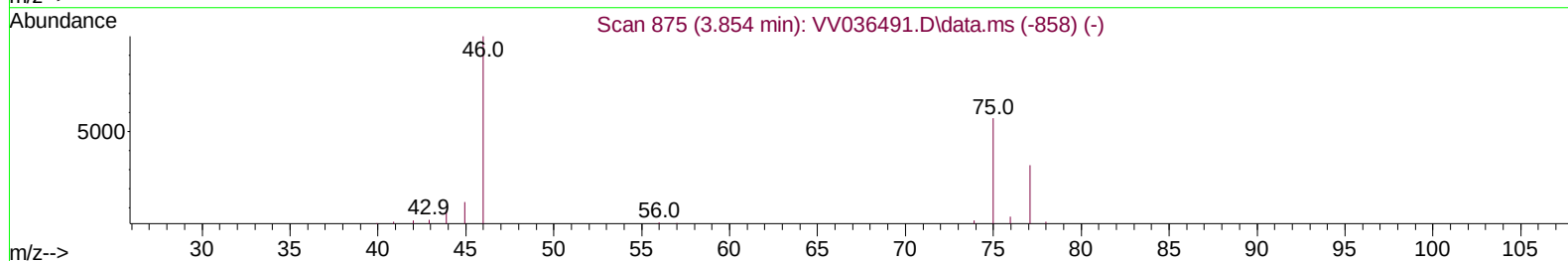
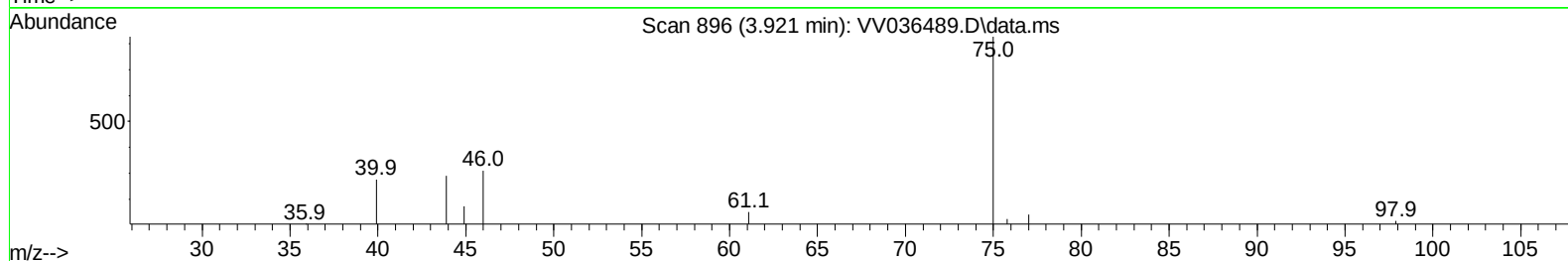
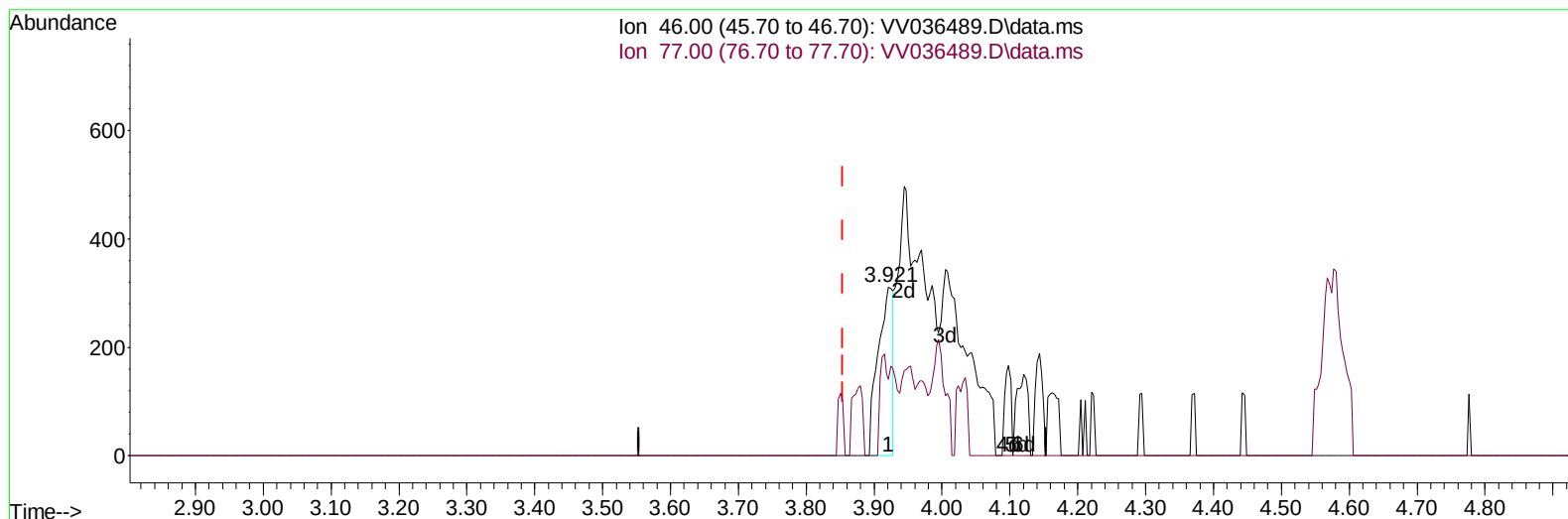
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
Data File : VV036489.D
Acq On : 11 Jul 2024 10:27
Operator : SY/MD
Sample : VSTD2.513
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.5213

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Quant Title : VOC Analysis
QLast Update : Fri Jul 12 01:09:21 2024
Response via : Initial Calibration



TIC: VV036489.D\data.ms

(21) 2-Butanone-d5 (S)**3.921min (+ 0.068) 0.71 ug/L****response 482**

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	11.40	32.16#
0.00	0.00	0.00
0.00	0.00	0.00

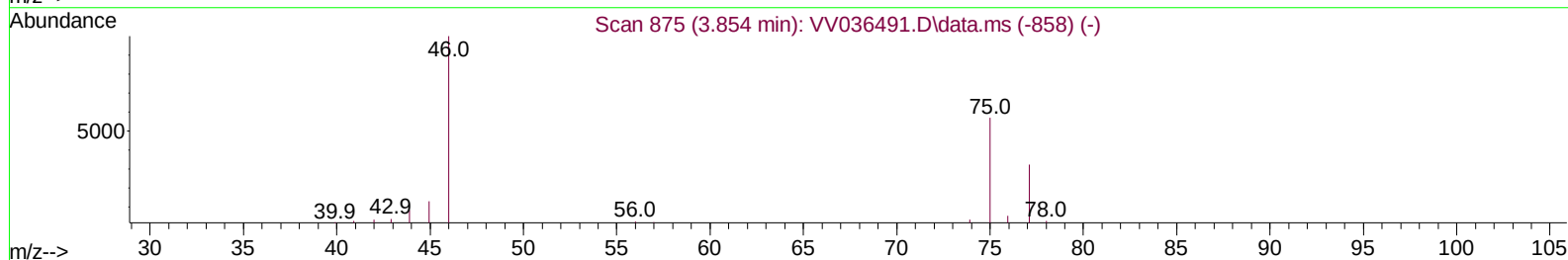
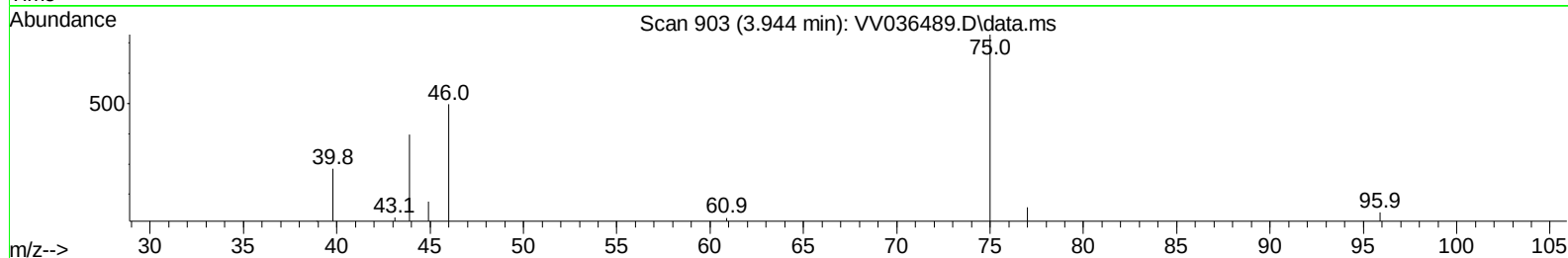
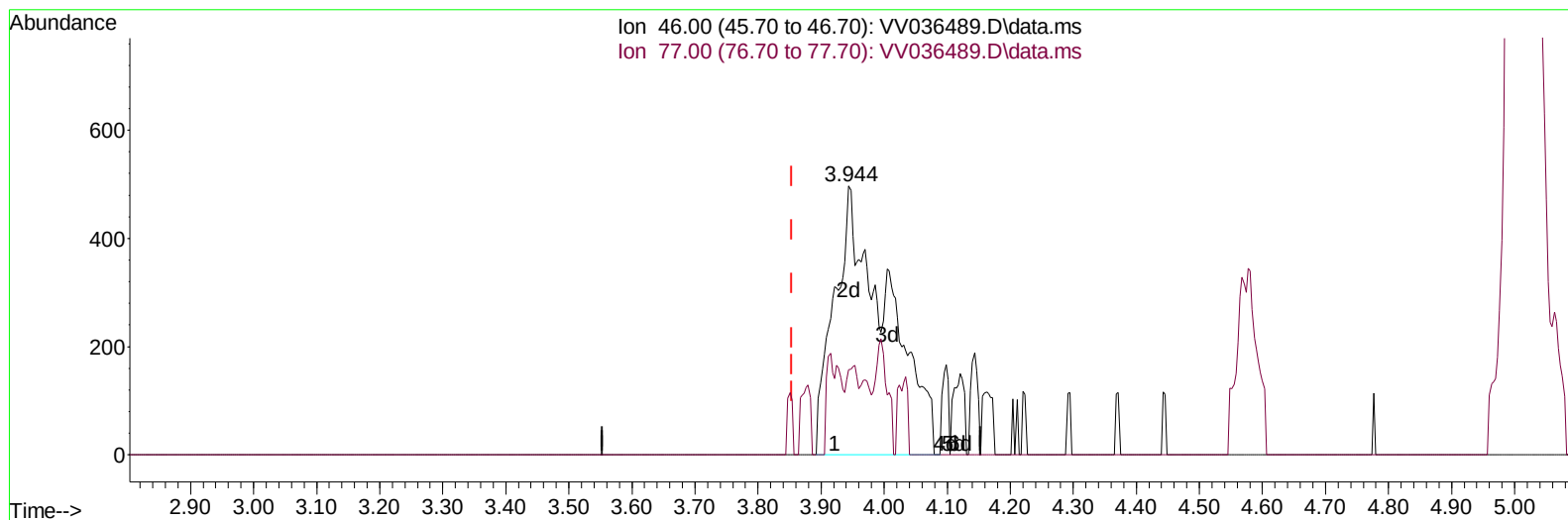
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Data File : VV036489.D
Acq On : 11 Jul 2024 10:27
Operator : SY/MD
Sample : VSTD2.513
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.5213

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024

Quant Time: Jul 12 01:09:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 12 01:09:21 2024
Response via : Initial Calibration



TIC: VV036489.D\data.ms

(21) 2-Butanone-d5 (S)

3.944min (+ 0.090) 4.23 ug/L m

response 2856

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	11.40	5.43#
0.00	0.00	0.00
0.00	0.00	0.00

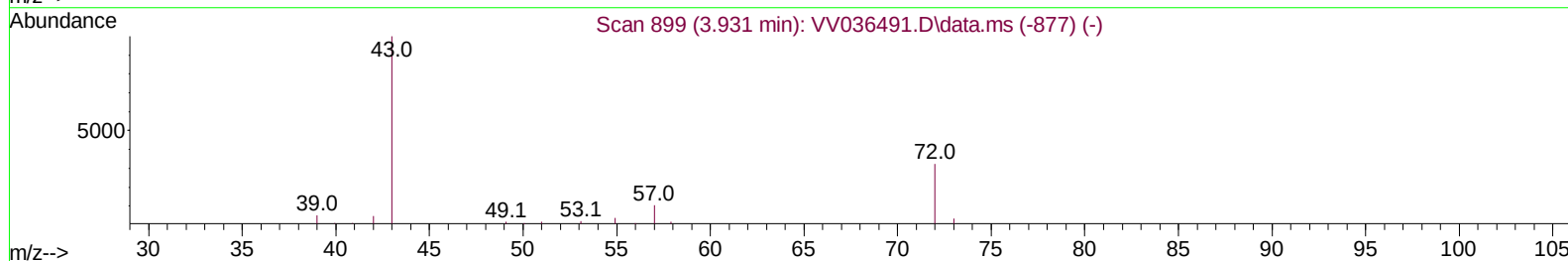
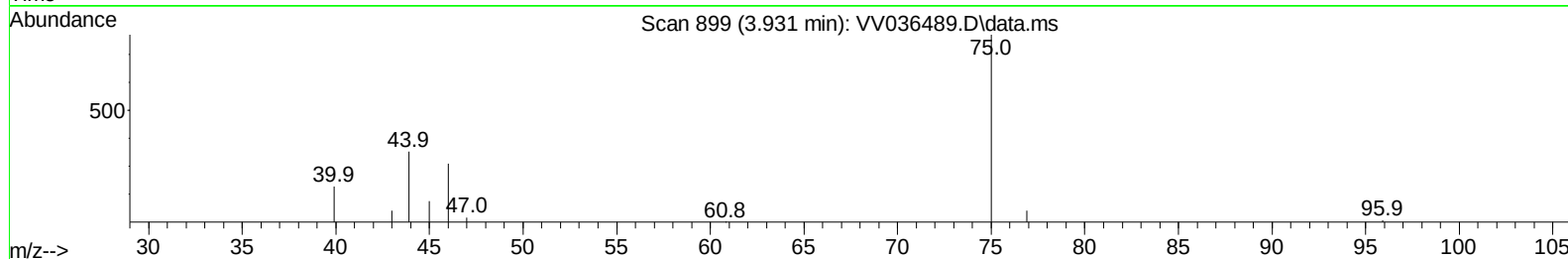
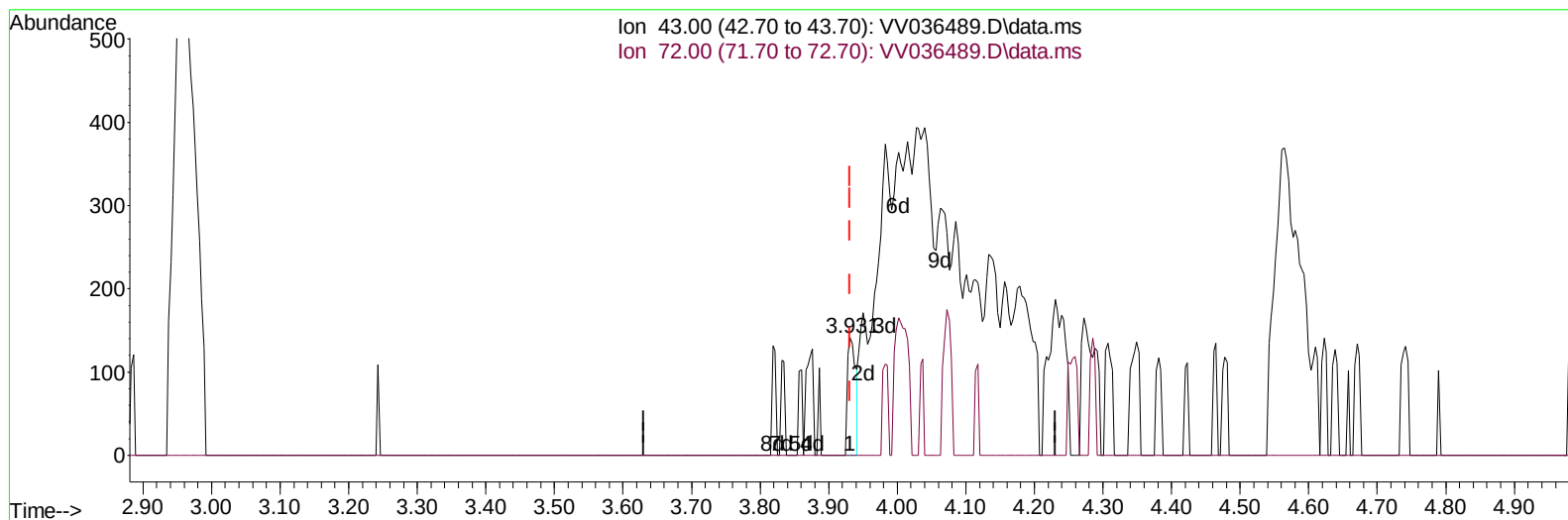
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
 Data File : VV036489.D
 Acq On : 11 Jul 2024 10:27
 Operator : SY/MD
 Sample : VSTD2.513
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.5213

Manual IntegrationsAPPROVED

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Quant Time: Jul 12 01:09:44 2024
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:09:21 2024
 Response via : Initial Calibration



TIC: VV036489.D\data.ms

(22) 2-Butanone (T)

3.931min (+ 0.000) 0.16 ug/L

response 117

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	11.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

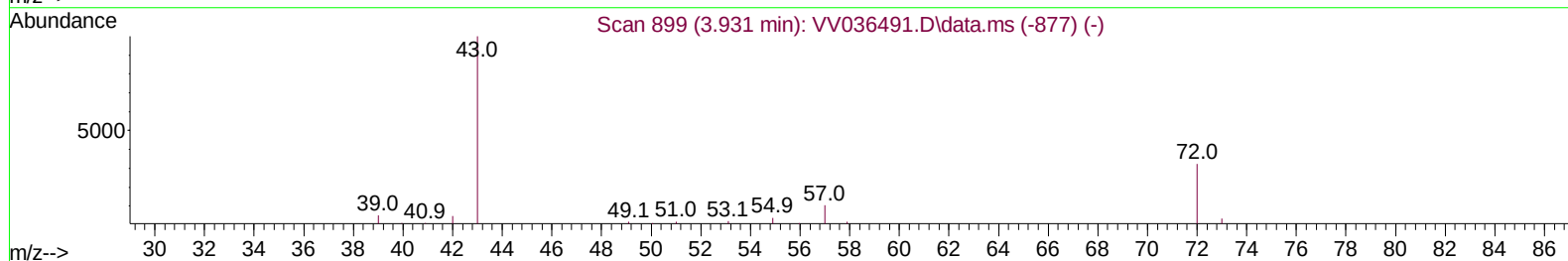
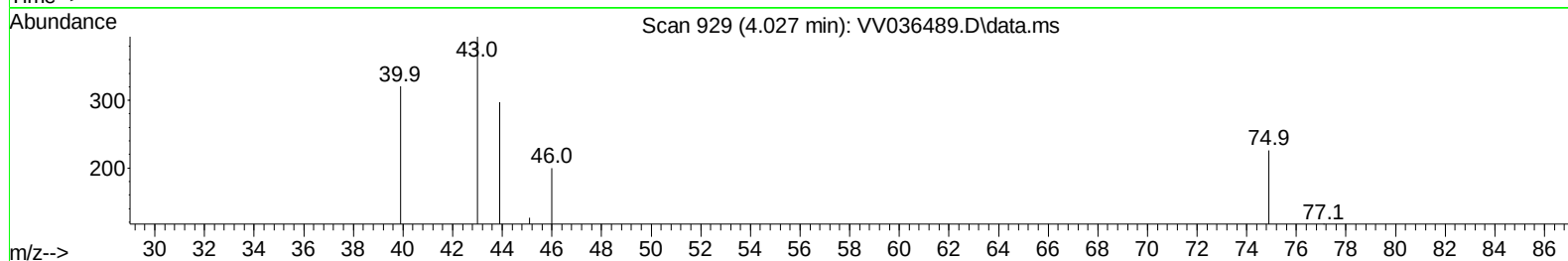
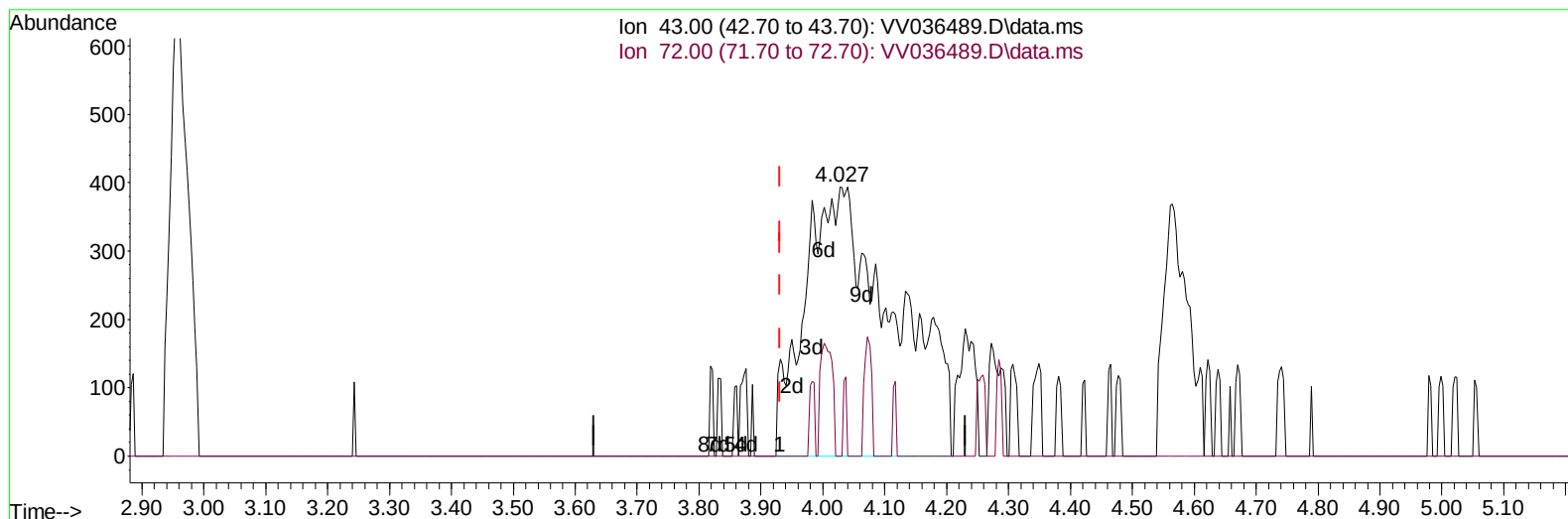
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Data File : VV036489.D
Acq On : 11 Jul 2024 10:27
Operator : SY/MD
Sample : VSTD2.513
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.5213

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024

Quant Time: Jul 12 01:09:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 12 01:09:21 2024
Response via : Initial Calibration



TIC: VV036489.D\data.ms

(22) 2-Butanone (T)

4.027min (+ 0.097) 5.36 ug/L m

response 3970

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	11.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

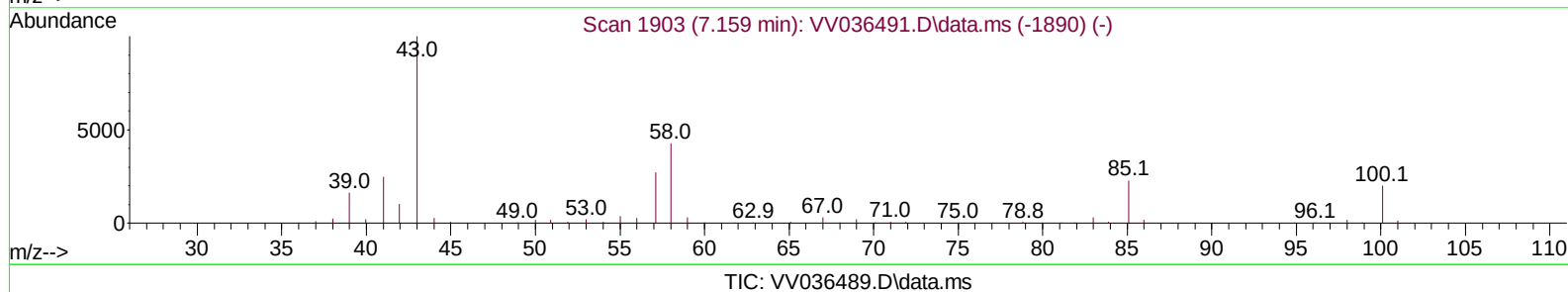
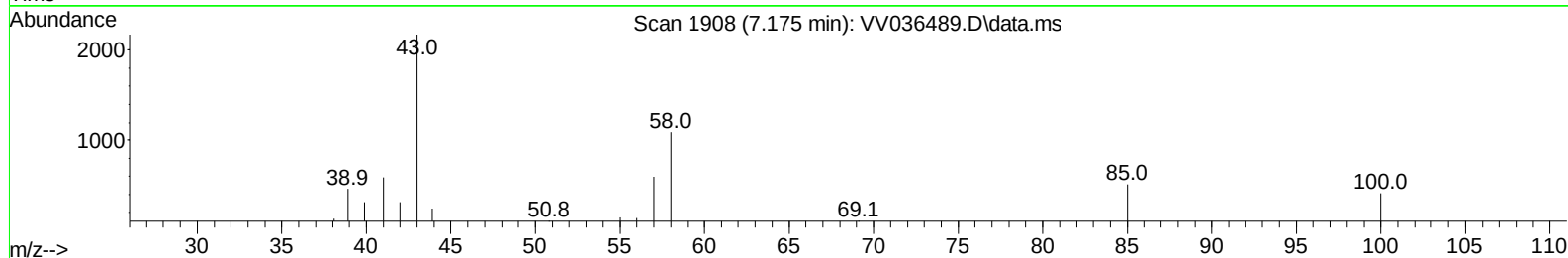
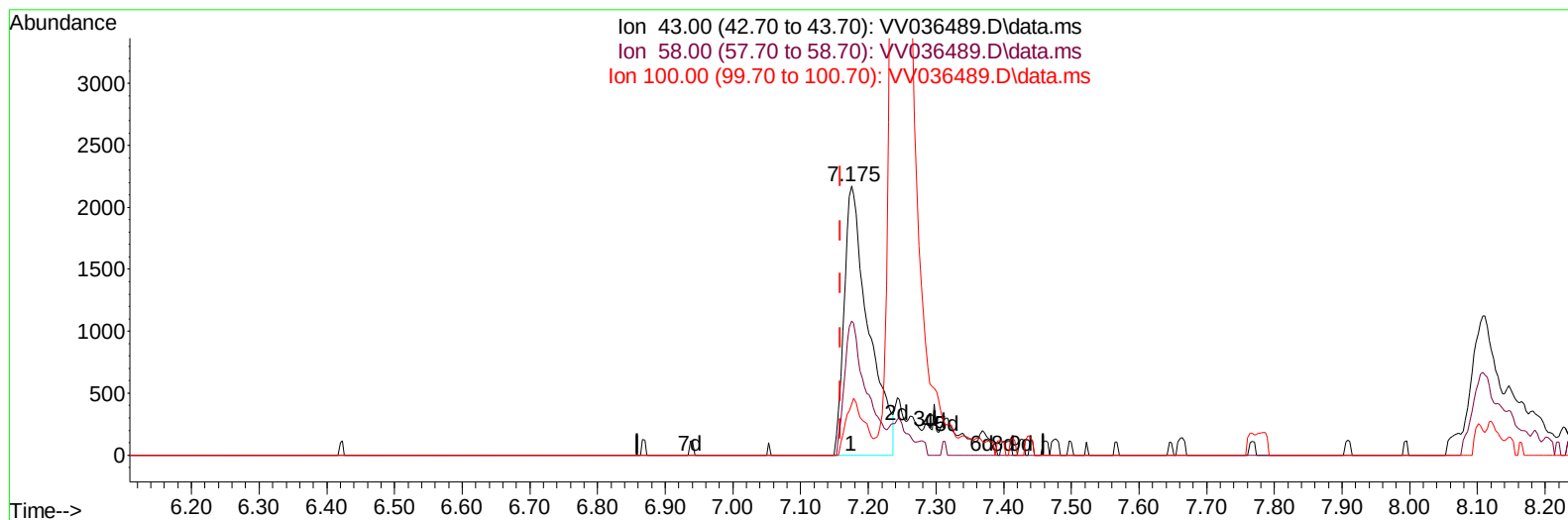
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Data File : VV036489.D
Acq On : 11 Jul 2024 10:27
Operator : SY/MD
Sample : VSTD2.513
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.5213

Manual IntegrationsAPPROVED

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Quant Title : VOC Analysis
QLast Update : Fri Jul 12 01:09:21 2024
Response via : Initial Calibration

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

7.175min (+ 0.016) 3.50 ug/L

response 5385

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	41.10	45.44
100.00	19.40	15.99
0.00	0.00	0.00

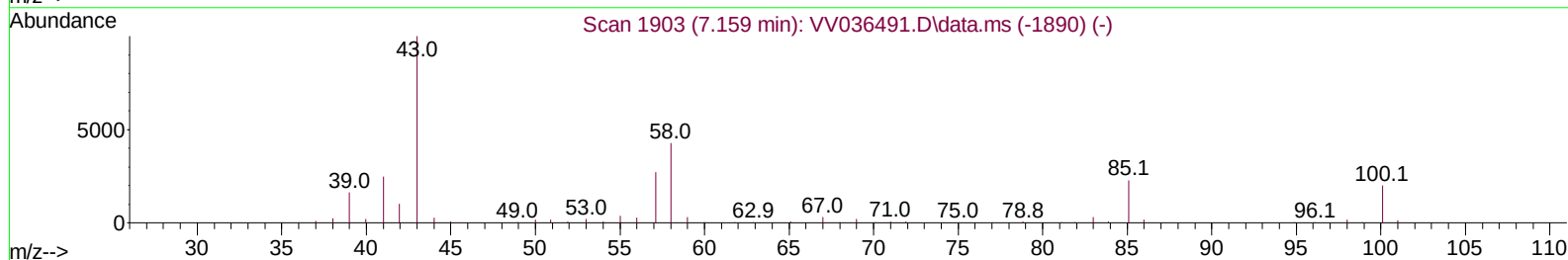
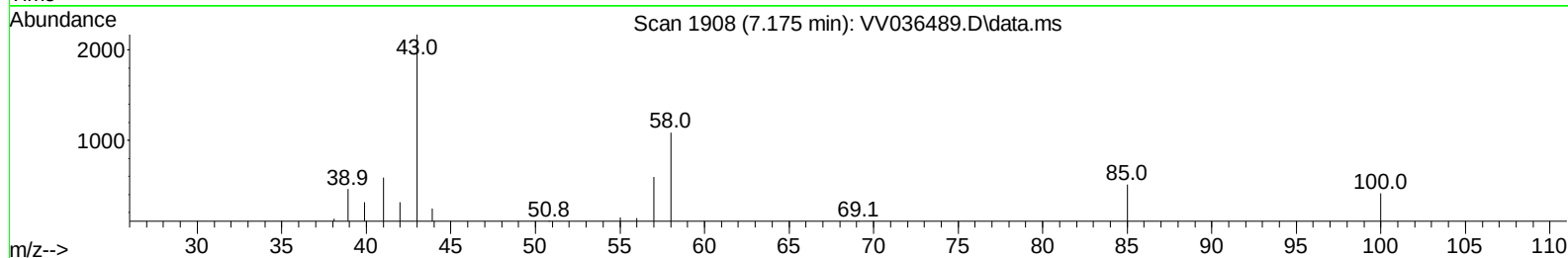
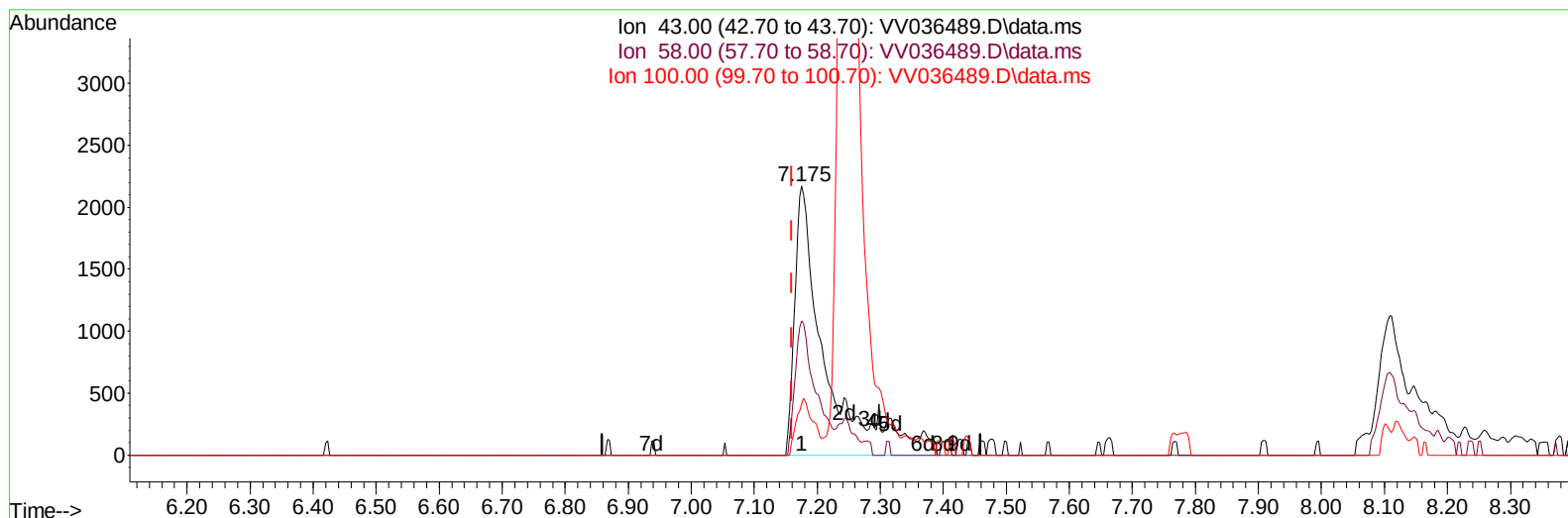
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 Data File : VV036489.D
 Acq On : 11 Jul 2024 10:27
 Operator : SY/MD
 Sample : VSTD2.513
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.5213

Manual IntegrationsAPPROVED

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 QLast Update : Fri Jul 12 01:09:21 2024
 Response via : Initial Calibration



TIC: VV036489.D\data.ms

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

7.175min (+ 0.016) 4.80 ug/L m

response 7387

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	41.10	33.13
100.00	19.40	11.66#
0.00	0.00	0.00

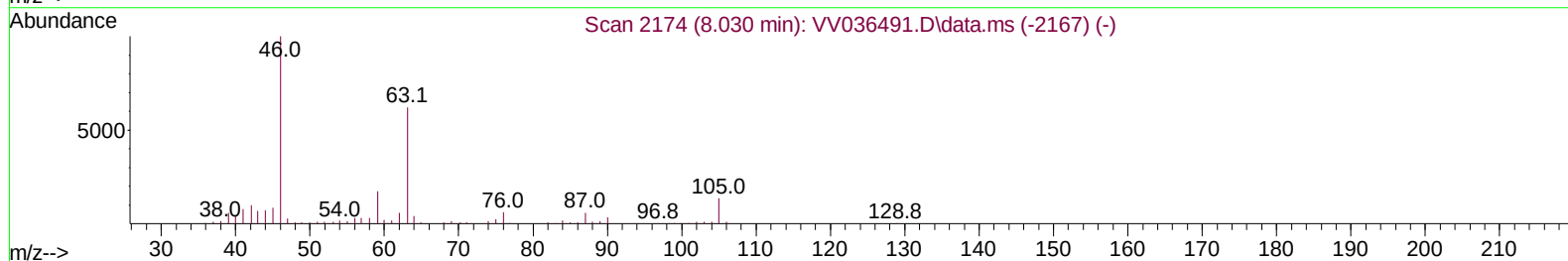
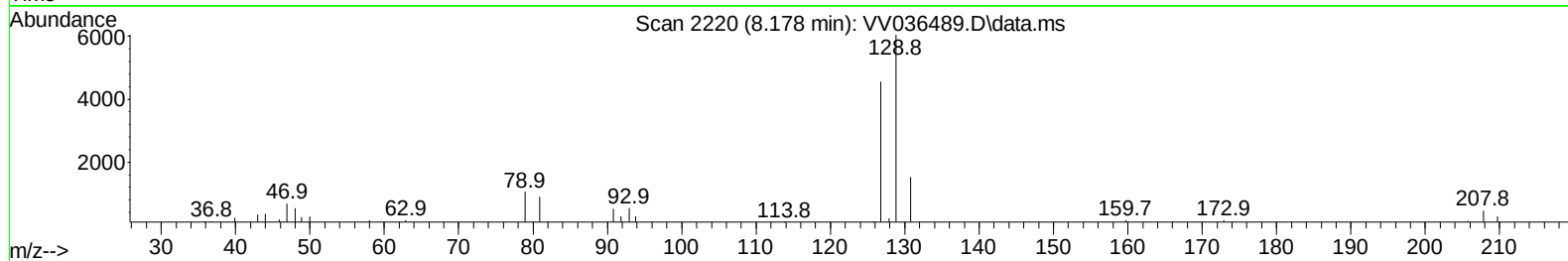
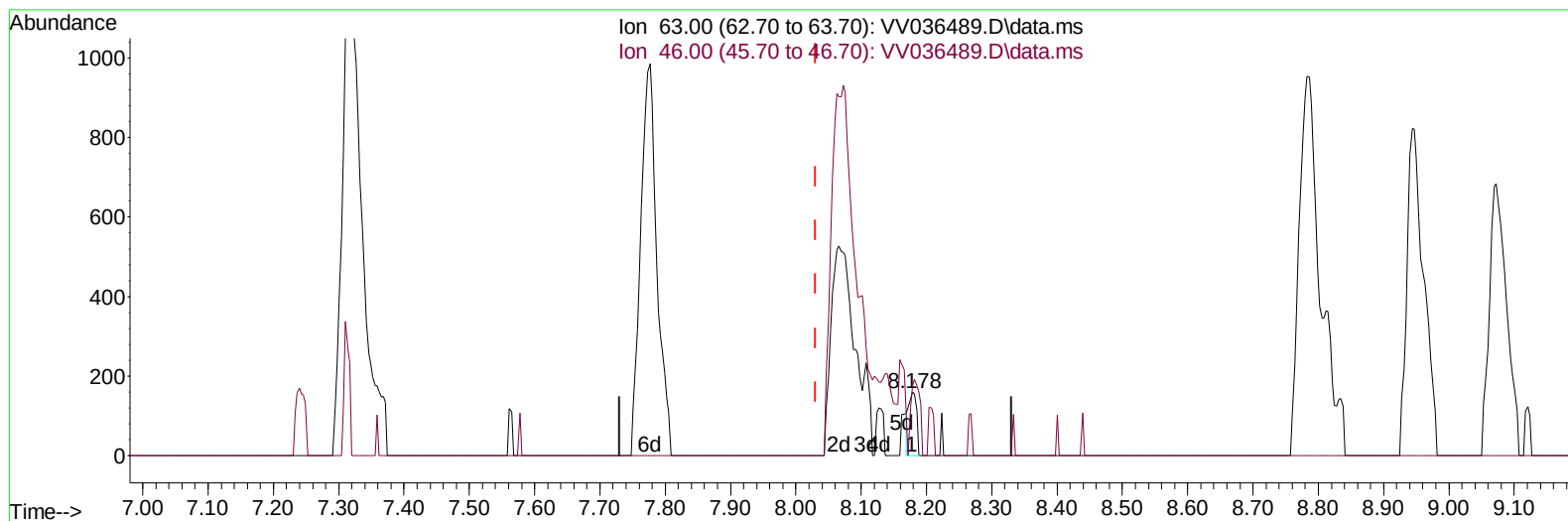
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 Data File : VV036489.D
 Acq On : 11 Jul 2024 10:27
 Operator : SY/MD
 Sample : VSTD2.513
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.5213

Manual IntegrationsAPPROVED

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 Quant Title : VOC Analysis
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 Response via : Initial Calibration



TIC: VV036489.D\data.ms

(47) 2-Hexanone-d5 (S)

8.178min (+ 0.148) 0.28 ug/L

response 134

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	169.70	138.06
0.00	0.00	0.00
0.00	0.00	0.00

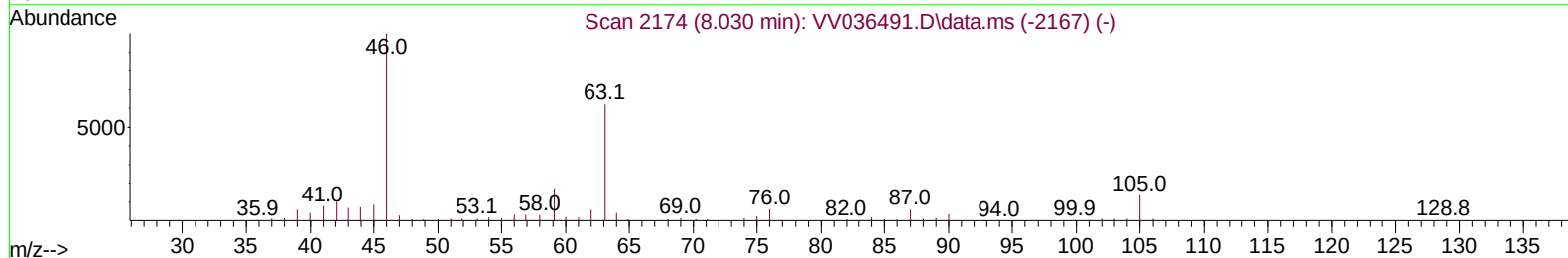
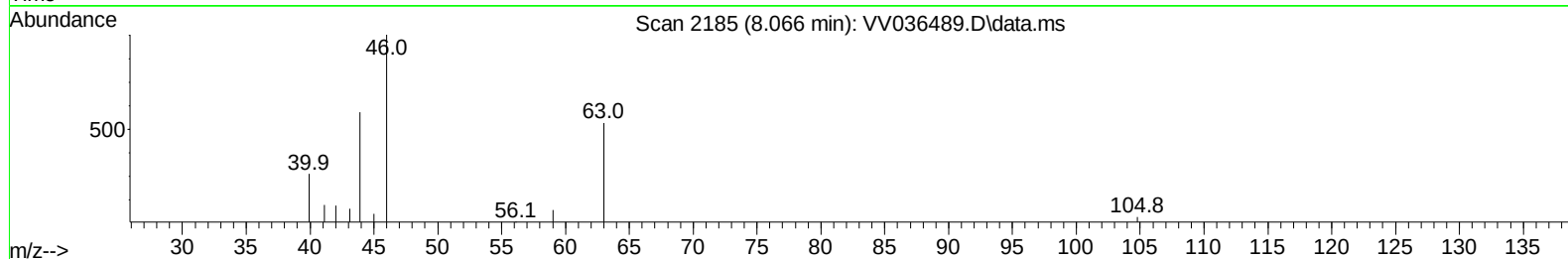
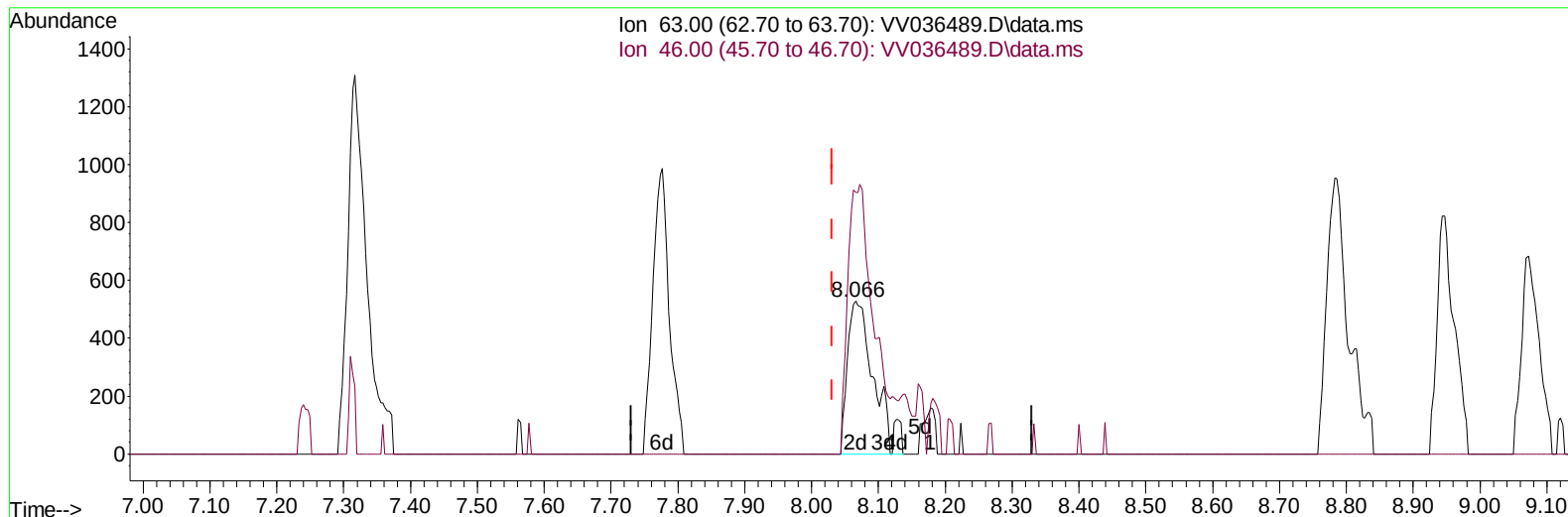
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
Data File : VV036489.D
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Operator : SY/MD
Sample : VSTD2.513
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTD2.5213

Manual IntegrationsAPPROVED

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Quant Time: Jul 12 01:09:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 12 01:09:21 2024
Response via : Initial Calibration



TIC: VV036489.D\data.ms

(47) 2-Hexanone-d5 (S)

8.066min (+ 0.036) 3.04 ug/L m

response 1468

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	169.70	12.60#
0.00	0.00	0.00
0.00	0.00	0.00

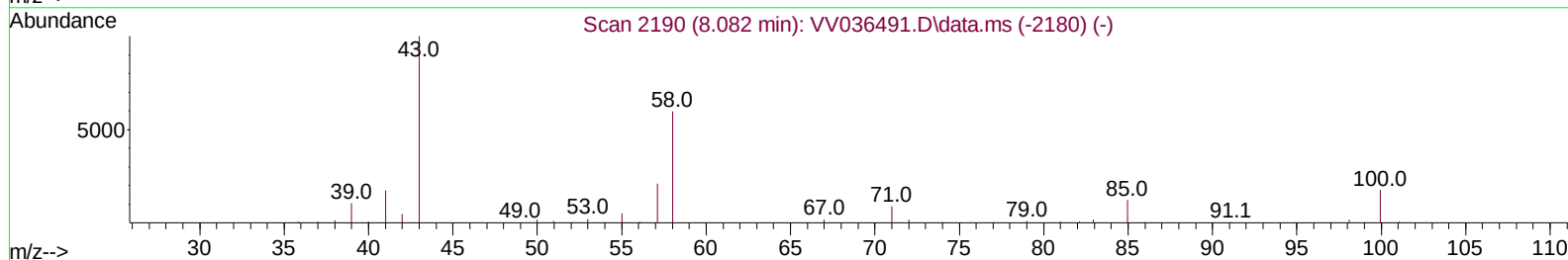
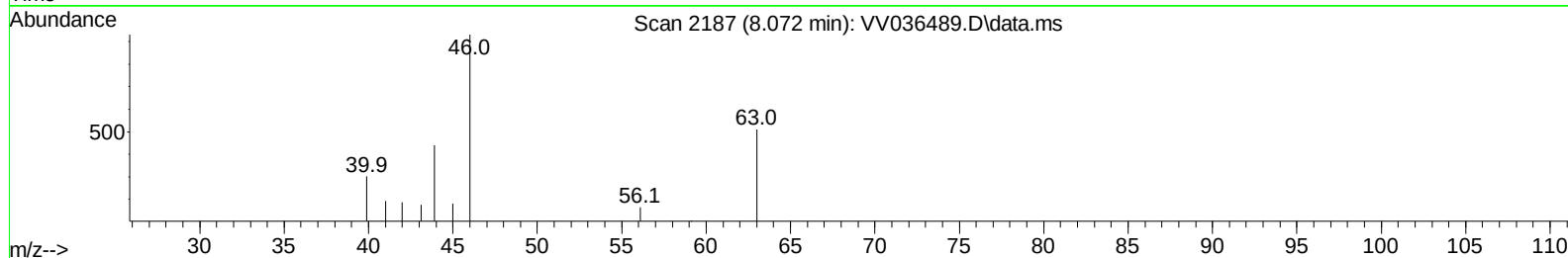
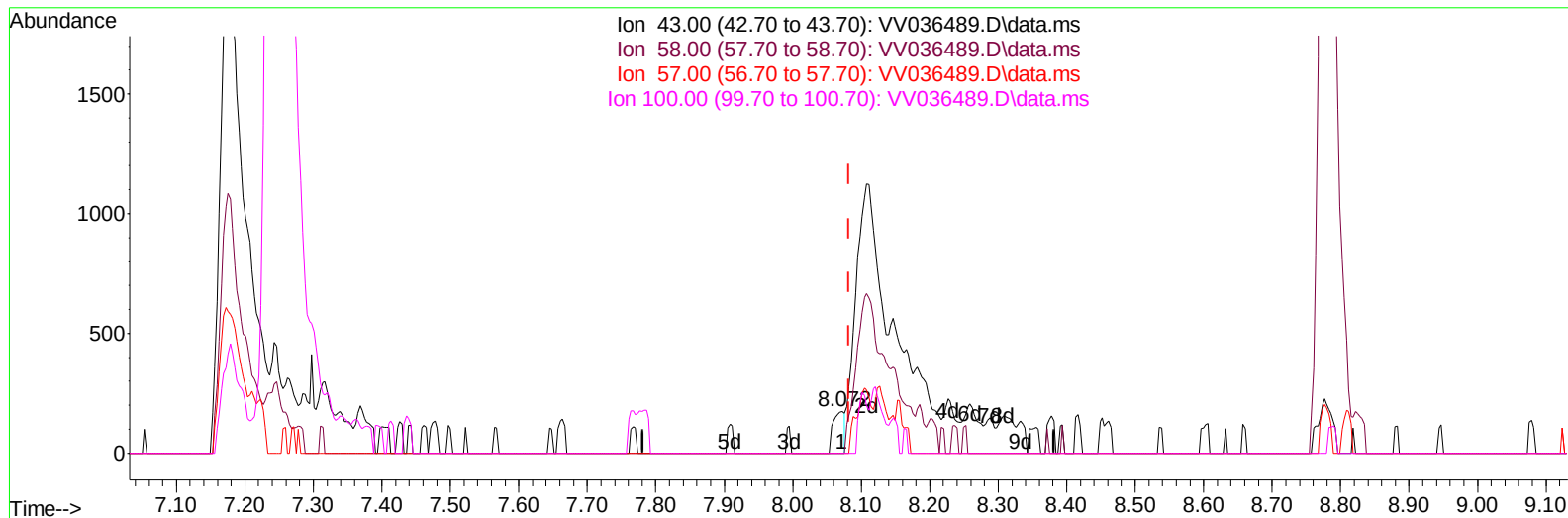
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
Data File : VV036489.D
Acq On : 11 Jul 2024 10:27
Operator : SY/MD
Sample : VSTD2.513
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.5213

Manual IntegrationsAPPROVED

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
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Reviewed By :Semsettin Yesilyurt 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024



TIC: VV036489.D\data.ms

(48) 2-Hexanone (T)

8.072min (-0.009) 0.17 ug/L

response 207

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	61.90	0.00#
57.00	19.10	38.16#
100.00	16.10	0.00#

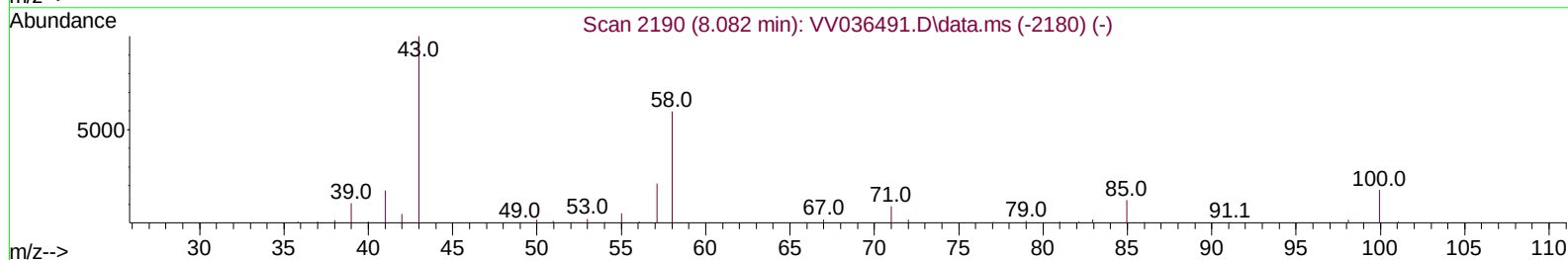
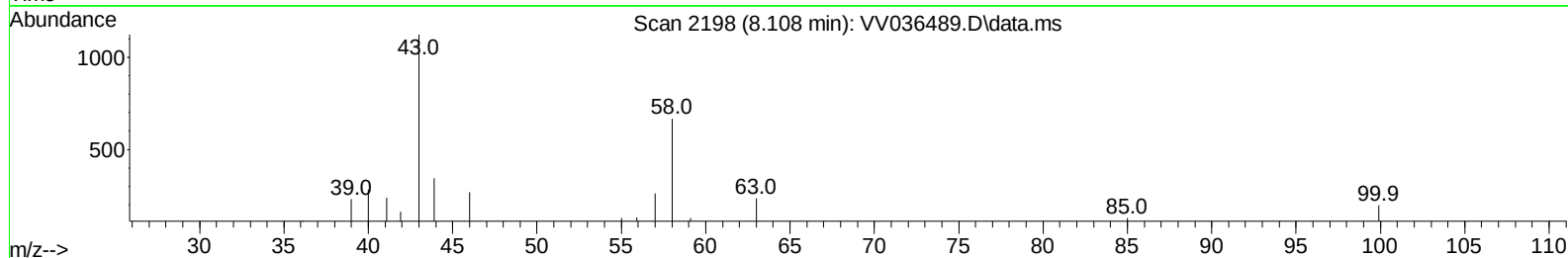
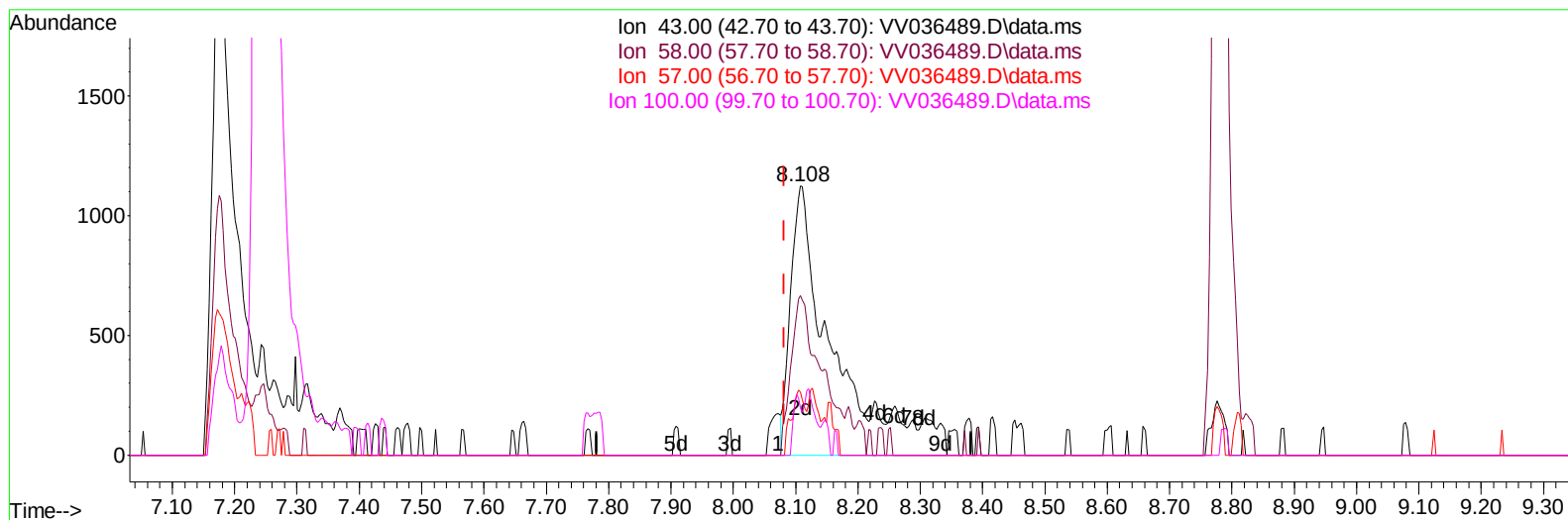
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
Data File : VV036489.D
Acq On : 11 Jul 2024 10:27
Operator : SY/MD
Sample : VSTD2.513
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.5213

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024

Quant Time: Jul 12 01:09:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 12 01:09:21 2024
Response via : Initial Calibration



TIC: VV036489.D\data.ms

(48) 2-Hexanone (T)

8.108min (+ 0.026) 4.51 ug/L m

response 5443

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	61.90	0.00#
57.00	19.10	1.45#
100.00	16.10	0.00#

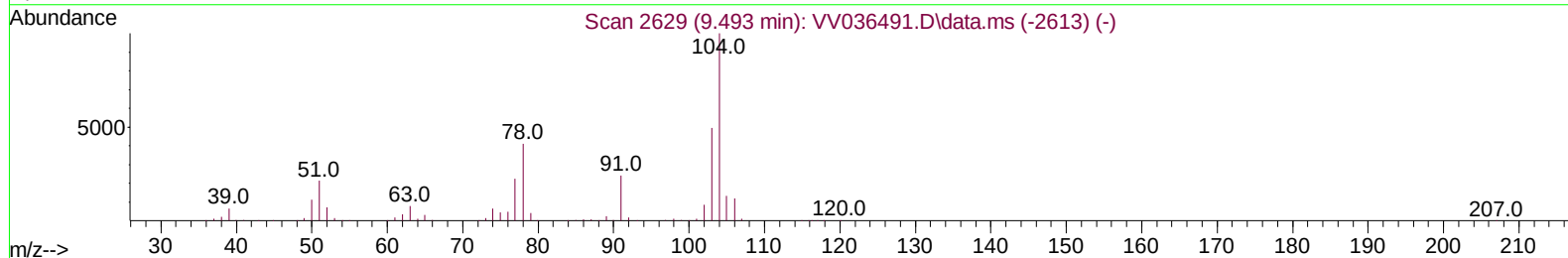
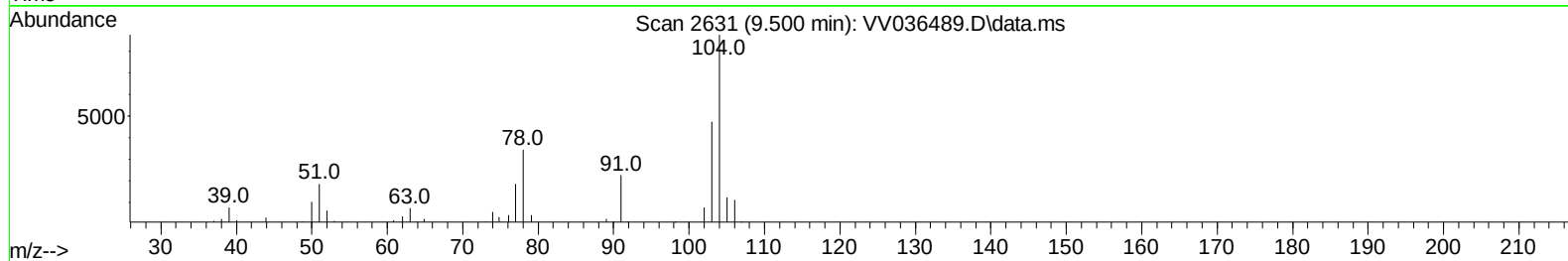
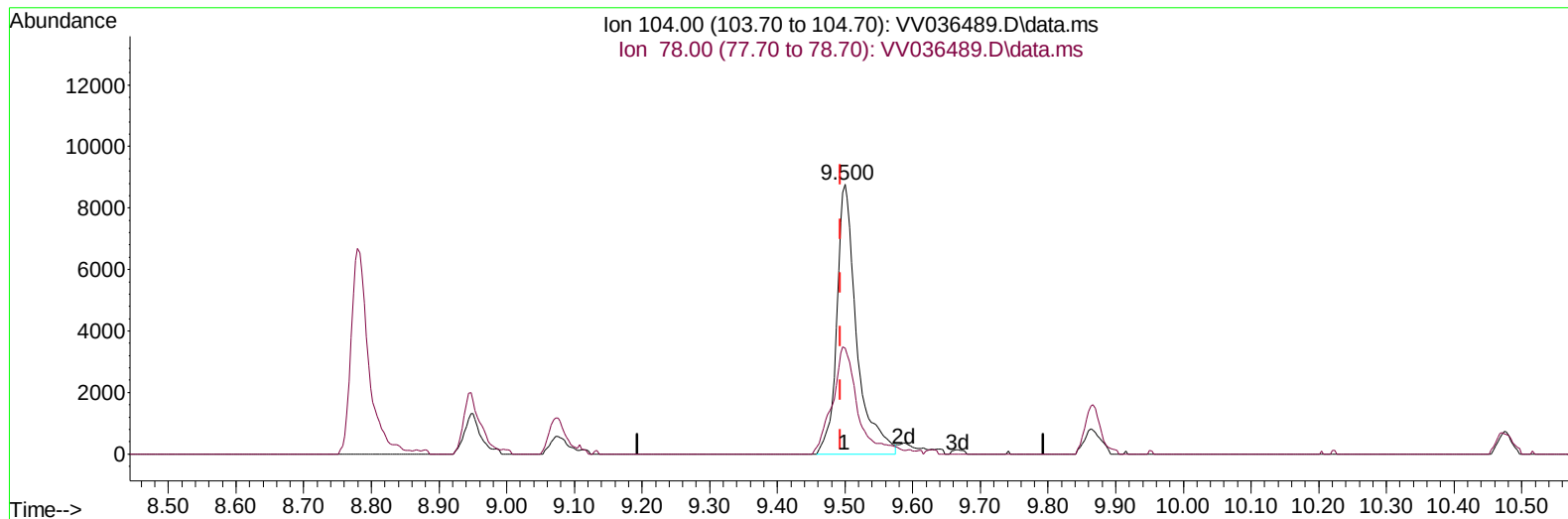
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
 Data File : VV036489.D
 Acq On : 11 Jul 2024 10:27
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 ClientSampleId :
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Reviewed By :Semsettin Yesilyurt 07/15/2024
 Supervised By :Mahesh Dadoda 07/15/2024



TIC: VV036489.D\data.ms

(55) Styrene (T)

9.500min (+ 0.007) 1.71 ug/L

response 17843

Ion	Exp%	Act%
104.00	100.00	100.00
78.00	41.20	39.21
0.00	0.00	0.00
0.00	0.00	0.00

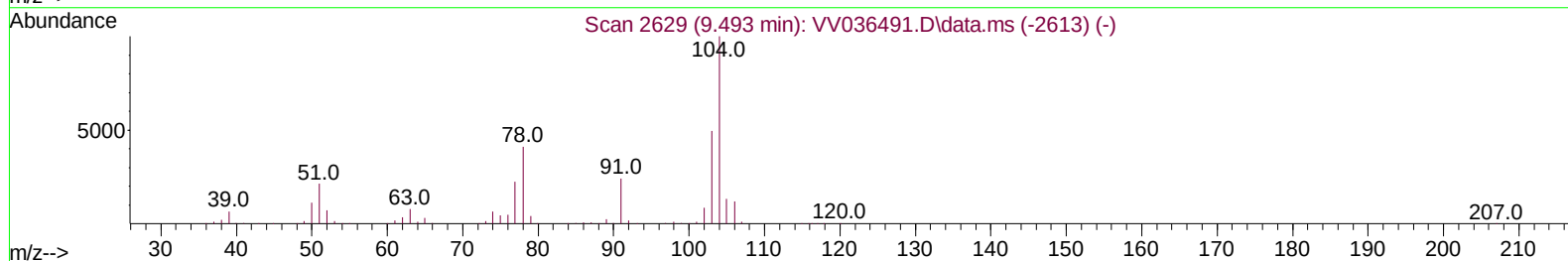
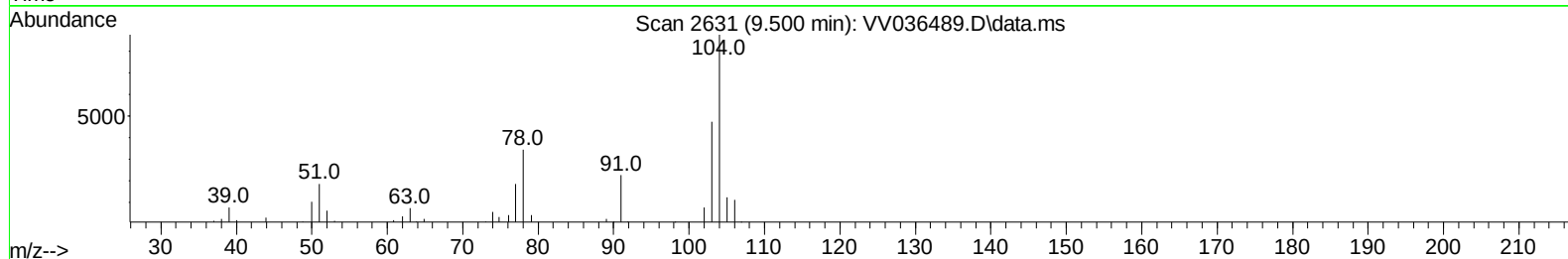
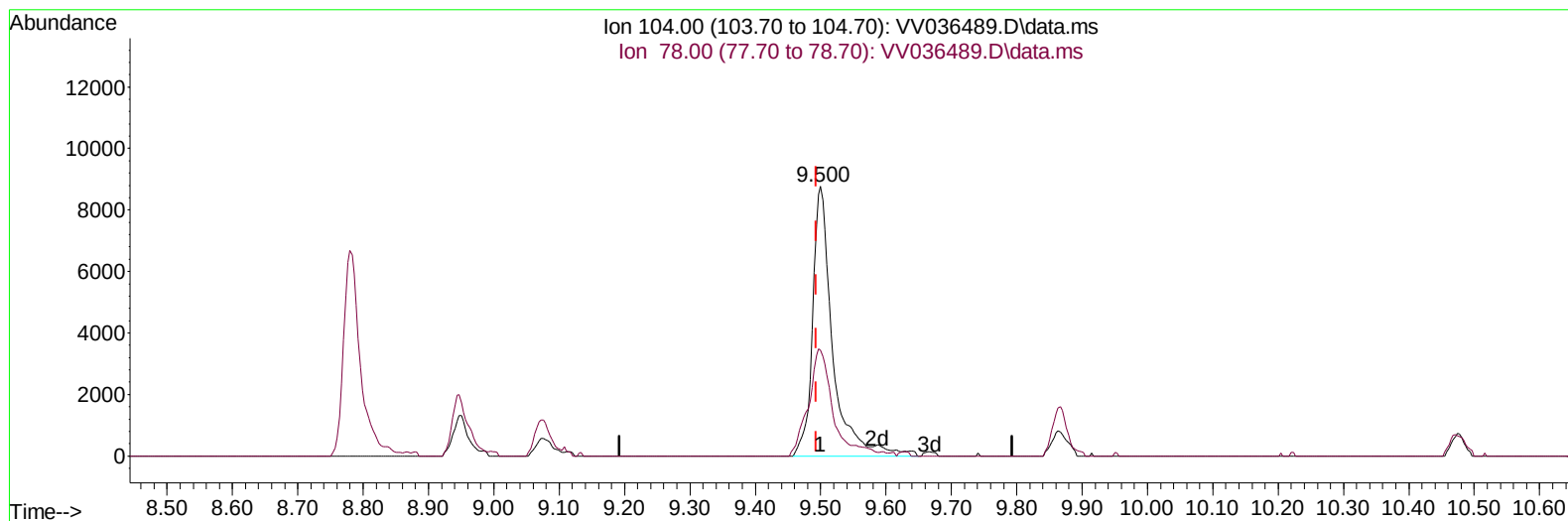
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
Data File : VV036489.D
Acq On : 11 Jul 2024 10:27
Operator : SY/MD
Sample : VSTD2.513
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.5213

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2024
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Quant Time: Jul 12 01:09:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 12 01:09:21 2024
Response via : Initial Calibration



TIC: VV036489.D\data.ms

(55) Styrene (T)

9.500min (+ 0.007) 1.79 ug/L m

response 18740

Ion	Exp%	Act%
104.00	100.00	100.00
78.00	41.20	39.21
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
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Instrument :
 MSVOA_V
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Manual IntegrationsAPPROVED

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	275188	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	285267	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	141967	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	10534	2.672	ug/L	0.00
7) Chloroethane-d5	1.529	69	9440	2.739	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.050	65	5616	2.774	ug/L	0.00
21) 2-Butanone-d5	3.944	46	2856m	4.233	ug/L	0.09
24) Chloroform-d	4.246	84	22007	2.747	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.954	65	10727	2.700	ug/L	0.02
32) Benzene-d6	4.960	84	34821	2.447	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	11126	2.356	ug/L	0.00
41) Toluene-d8	7.246	98	28619	2.179	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	3919	2.222	ug/L	0.01
47) 2-Hexanone-d5	8.066	63	1468m	3.044	ug/L	0.04
56) 1,1,2,2-Tetrachloroeth...	10.153	84	10056	2.815	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	13460	2.794	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	12964	3.251	ug/L	99
3) Chloromethane	1.211	50	10831	3.384	ug/L	100
5) Vinyl chloride	1.278	62	12206	3.099	ug/L	97
6) Bromomethane	1.484	94	10234	3.221	ug/L	99
8) Chloroethane	1.545	64	8408	3.086	ug/L	92
9) Trichlorofluoromethane	1.706	101	21017	3.007	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	14385	3.052	ug/L	99
12) 1,1-Dichloroethene	2.063	96	12819	3.153	ug/L	79
13) Acetone	2.163	43	6918m	6.102	ug/L	
14) Carbon disulfide	2.233	76	31170	3.415	ug/L	100
15) Methyl Acetate	2.388	43	3974m	3.149	ug/L	
16) Methylene chloride	2.442	84	21351	3.772	ug/L	95
17) trans-1,2-Dichloroethene	2.690	96	10948	2.963	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	20007	2.417	ug/L	97
19) 1,1-Dichloroethane	3.105	63	18761	2.806	ug/L	100
20) cis-1,2-Dichloroethene	3.822	96	9787	2.507	ug/L	99
22) 2-Butanone	4.027	43	3970m	5.364	ug/L	
23) Bromochloromethane	4.153	128	5900	2.705	ug/L	94
25) Chloroform	4.275	83	22020	2.773	ug/L	100
27) 1,2-Dichloroethane	5.050	62	10957	2.457	ug/L #	92
29) Cyclohexane	4.574	56	9091	2.505	ug/L #	91
30) 1,1,1-Trichloroethane	4.507	97	18845	2.842	ug/L	99
31) Carbon tetrachloride	4.728	117	16993	2.889	ug/L	100
33) Benzene	5.011	78	36412	2.579	ug/L	100
34) Trichloroethene	5.838	95	11997	2.671	ug/L	95
35) Methylcyclohexane	6.043	83	12664	2.470	ug/L	95
37) 1,2-Dichloropropane	6.092	63	8620	2.419	ug/L #	94
38) Bromodichloromethane	6.436	83	15476	2.741	ug/L	95
39) cis-1,3-Dichloropropene	6.963	75	12223	2.225	ug/L	95
40) 4-Methyl-2-pentanone	7.175	43	7387m	4.800	ug/L	
42) Toluene	7.317	91	33029	2.208	ug/L	98

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 VSTD2.5213

Manual IntegrationsAPPROVED

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 Supervised By :Mahesh Dadoda 07/15/2024

Quant Time: Jul 12 01:09:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:09:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.593	75	10550	2.154	ug/L	97
45) 1,1,2-Trichloroethane	7.773	97	9183	2.616	ug/L	95
46) Tetrachloroethene	7.905	164	9852	2.712	ug/L	95
48) 2-Hexanone	8.108	43	5443m	4.511	ug/L	
49) Dibromochloromethane	8.175	129	11100	2.615	ug/L	98
50) 1,2-Dibromoethane	8.288	107	8423	2.556	ug/L	99
51) Chlorobenzene	8.815	112	29090	2.597	ug/L	98
52) Ethylbenzene	8.947	91	33967	2.117	ug/L	98
53) m,p-Xylene	9.076	106	12071	1.954	ug/L	90
54) o-Xylene	9.477	106	11477	1.951	ug/L	96
55) Styrene	9.500	104	18740m	1.793	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.178	83	8680	2.708	ug/L	98
59) Bromoform	9.667	173	6823	2.712	ug/L #	92
60) Isopropylbenzene	9.863	105	30751	2.168	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	7186	2.845	ug/L	95
62) 1,3,5-Trimethylbenzene	10.474	105	20768	2.045	ug/L	94
63) 1,2,4-Trimethylbenzene	10.850	105	21293	1.927	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	21509	2.565	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	25056	2.783	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	21003	2.607	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	1448	2.650	ug/L	90
69) 1,3,5-Trichlorobenzene	12.583	180	16459	2.535	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	12439	2.409	ug/L	99
71) Naphthalene	13.442	128	16247	2.095	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	11151	2.283	ug/L	96

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

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.5213

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