

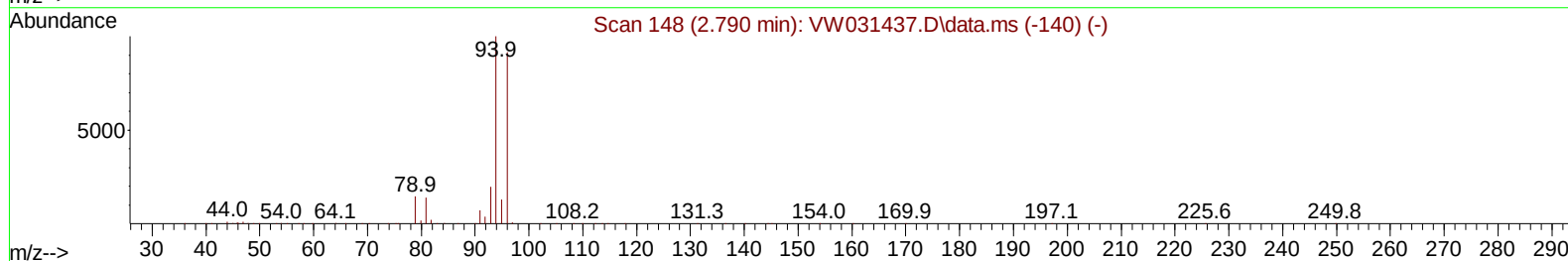
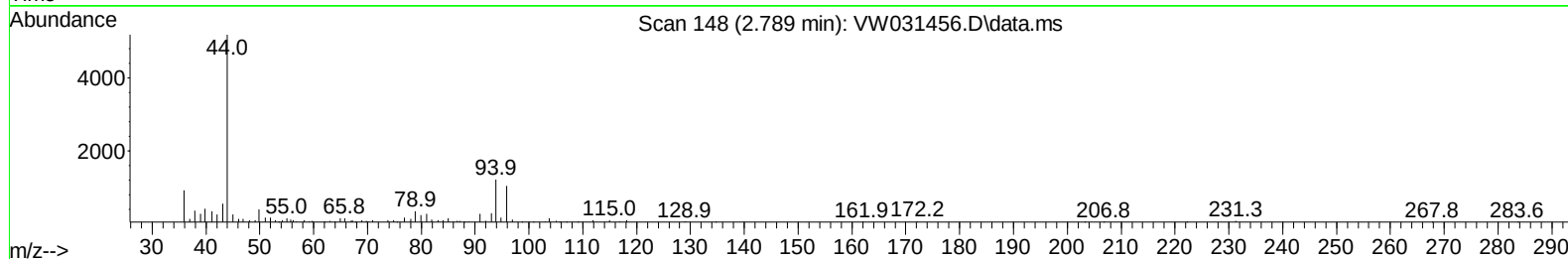
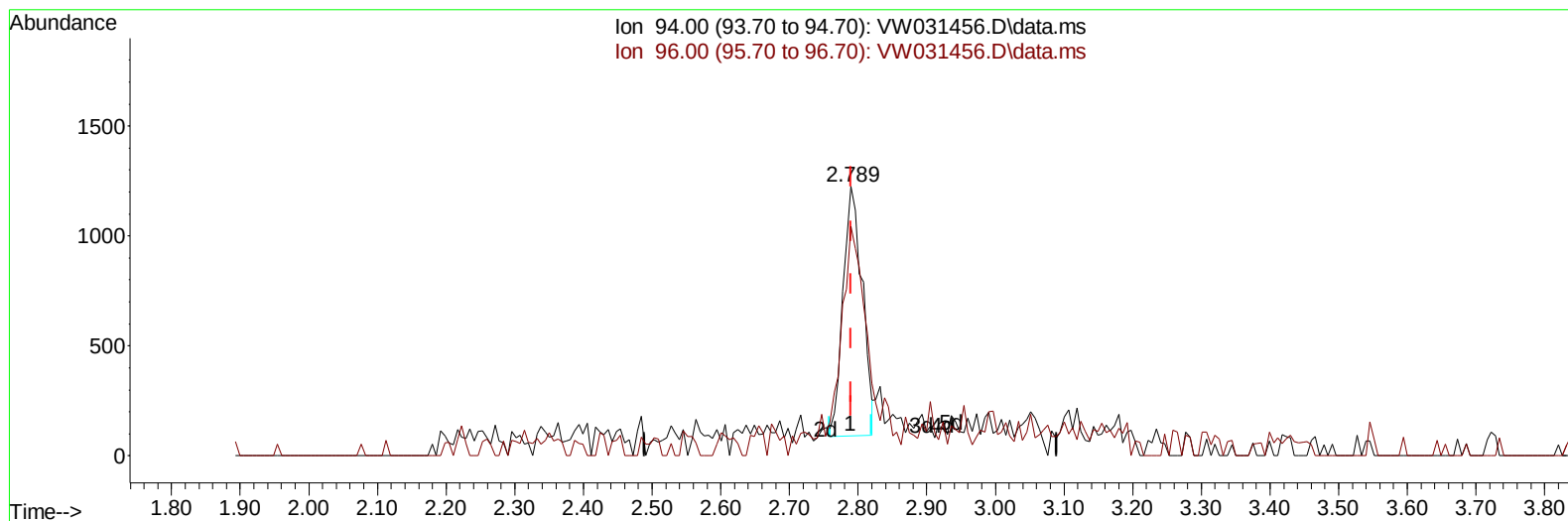
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122024\
Data File : VW031456.D
Acq On : 21 Dec 2024 03:27
Operator : SY/MD
Sample : P5333-21MS
Misc : 10.36g/10mL/MSVOA_W/SOIL/A
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E2923MS

Manual IntegrationsAPPROVED

Quant Time: Dec 21 05:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 20 23:42:37 2024
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025



TIC: VW031456.D\data.ms

(6) Bromomethane (T)

2.789min (-0.000) 0.67 ug/L

response 2201

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.70	85.22
0.00	0.00	0.00
0.00	0.00	0.00

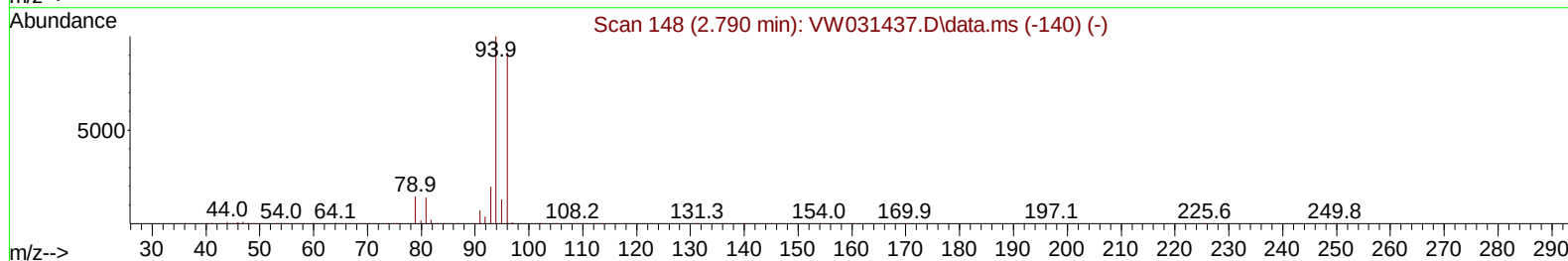
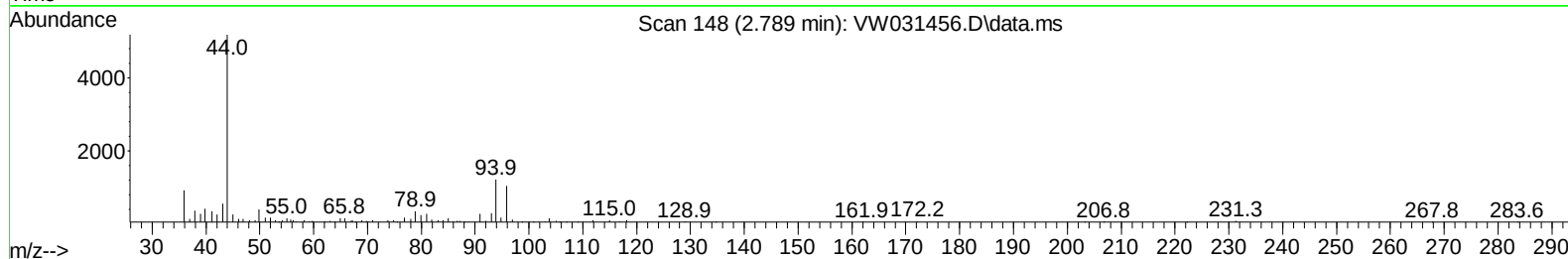
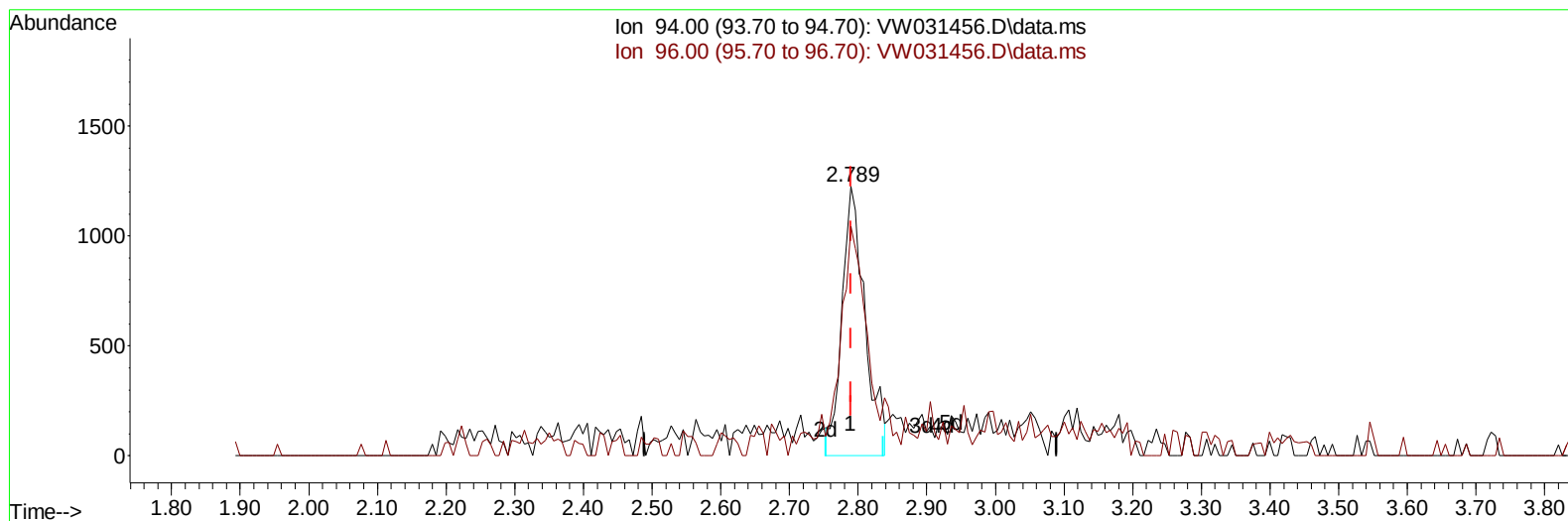
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122024\
Data File : VW031456.D
Acq On : 21 Dec 2024 03:27
Operator : SY/MD
Sample : P5333-21MS
Misc : 10.36g/10mL/MSVOA_W/SOIL/A
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E2923MS

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

Quant Time: Dec 21 05:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 20 23:42:37 2024
Response via : Initial Calibration



TIC: VW031456.D\data.ms

(6) Bromomethane (T)

2.789min (-0.000) 0.86 ug/L m

response 2841

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.70	85.22
0.00	0.00	0.00
0.00	0.00	0.00

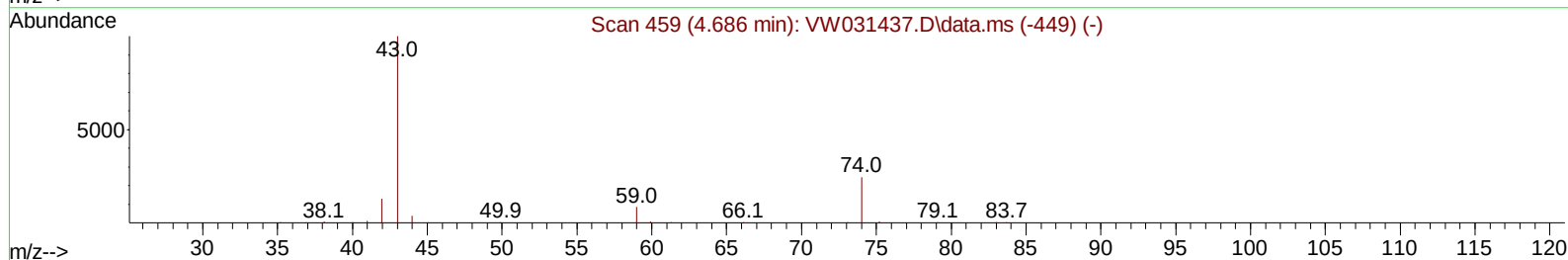
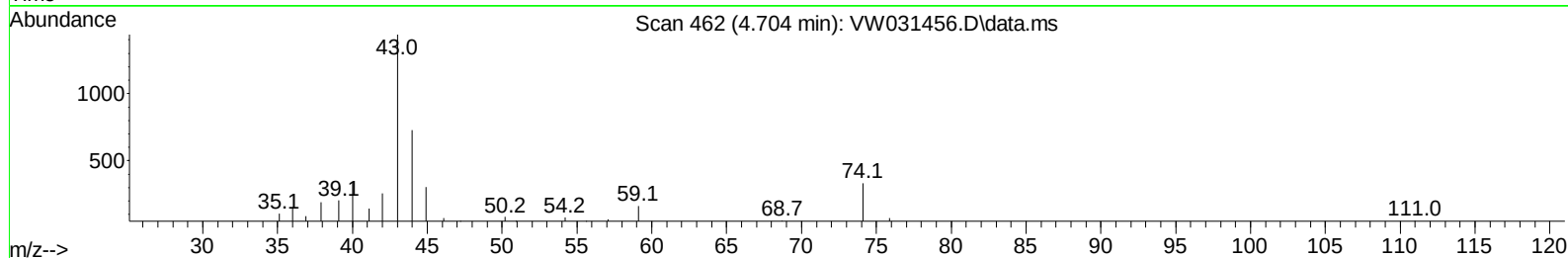
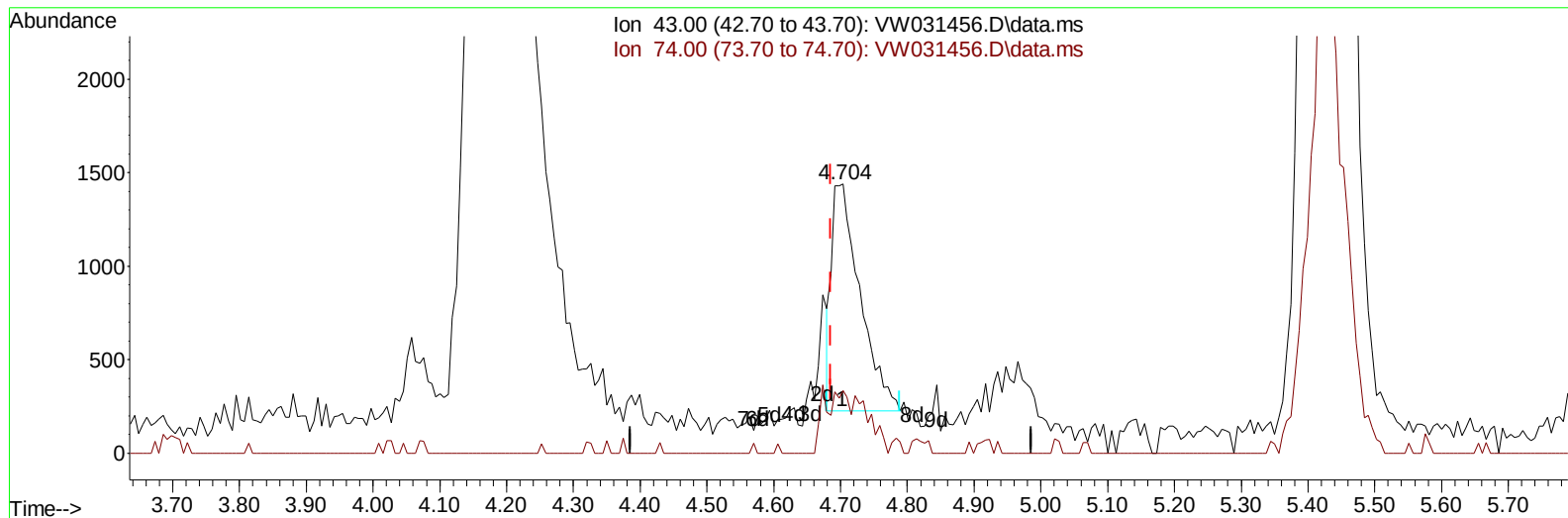
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122024\
Data File : VW031456.D
Acq On : 21 Dec 2024 03:27
Operator : SY/MD
Sample : P5333-21MS
Misc : 10.36g/10mL/MSVOA_W/SOIL/A
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E2923MS

Manual IntegrationsAPPROVED

Quant Time: Dec 21 05:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 20 23:42:37 2024
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025



TIC: VW031456.D\data.ms

(15) Methyl Acetate (T)

4.704min (+ 0.018) 2.09 ug/L

response 3575

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	23.60	6.35#
0.00	0.00	0.00
0.00	0.00	0.00

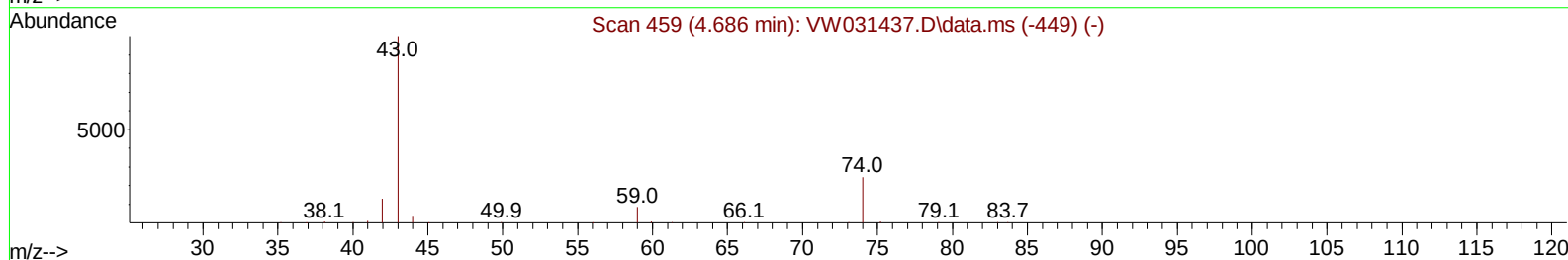
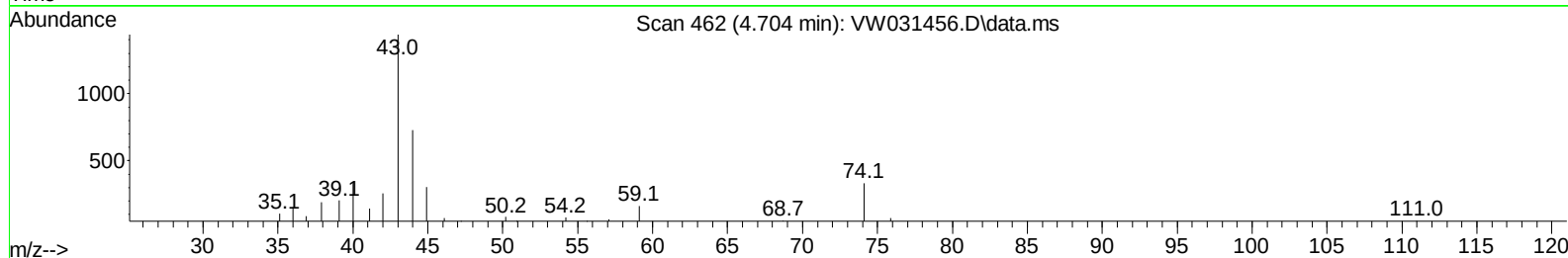
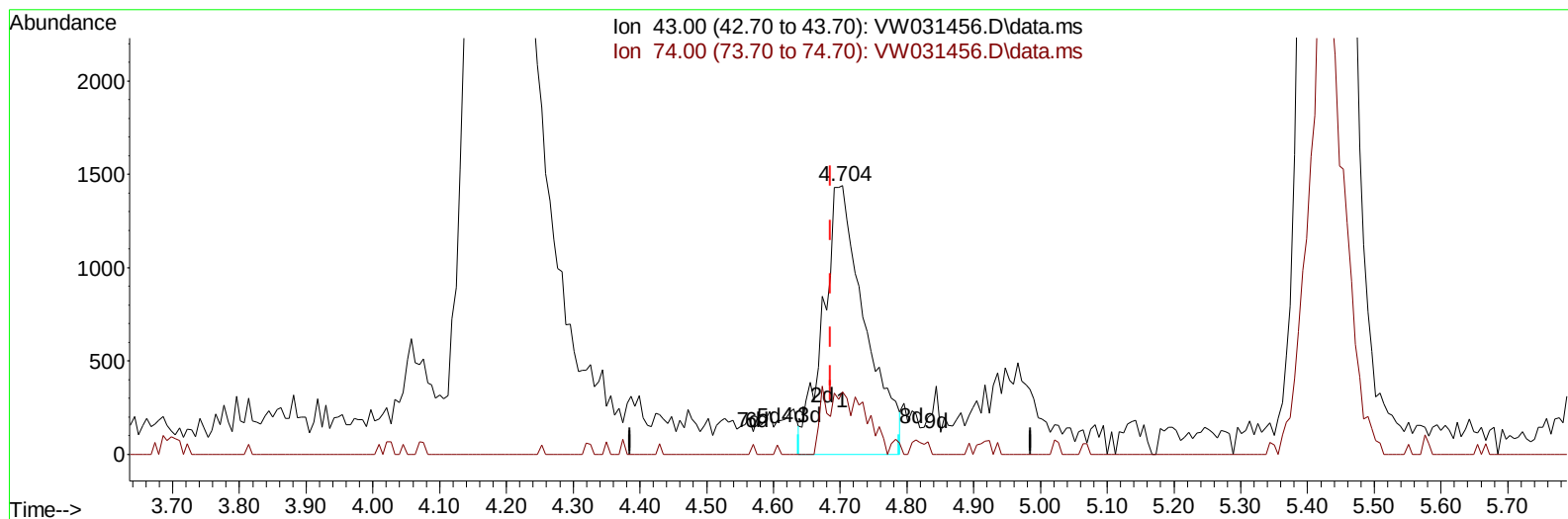
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122024\
Data File : VW031456.D
Acq On : 21 Dec 2024 03:27
Operator : SY/MD
Sample : P5333-21MS
Misc : 10.36g/10mL/MSVOA_W/SOIL/A
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E2923MS

Manual IntegrationsAPPROVED

Quant Time: Dec 21 05:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 20 23:42:37 2024
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025



TIC: VW031456.D\data.ms

(15) Methyl Acetate (T)

4.704min (+ 0.018) 3.64 ug/L m

response 6235

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	23.60	3.64#
0.00	0.00	0.00
0.00	0.00	0.00

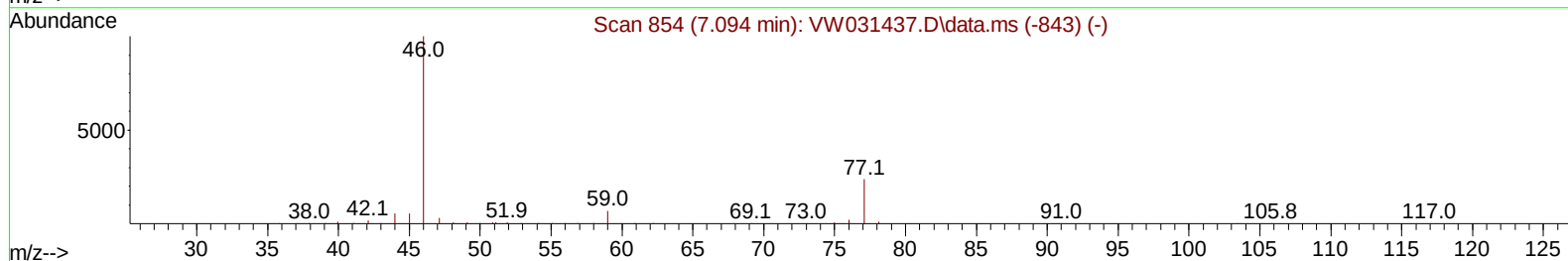
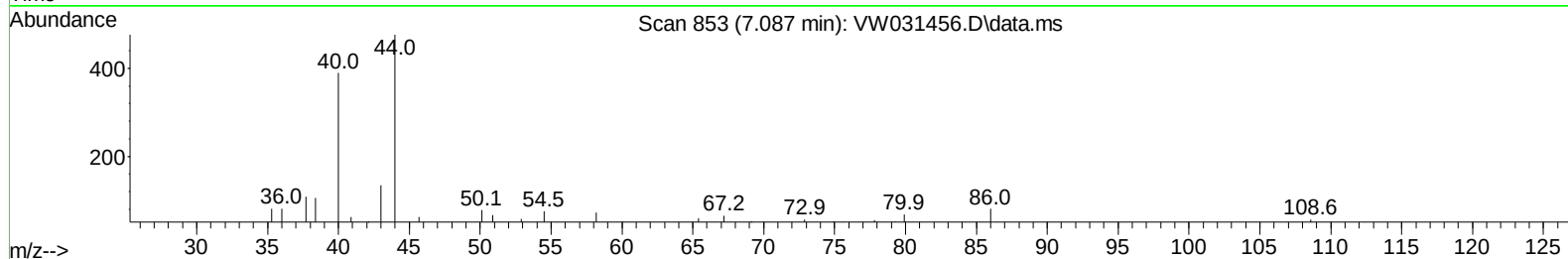
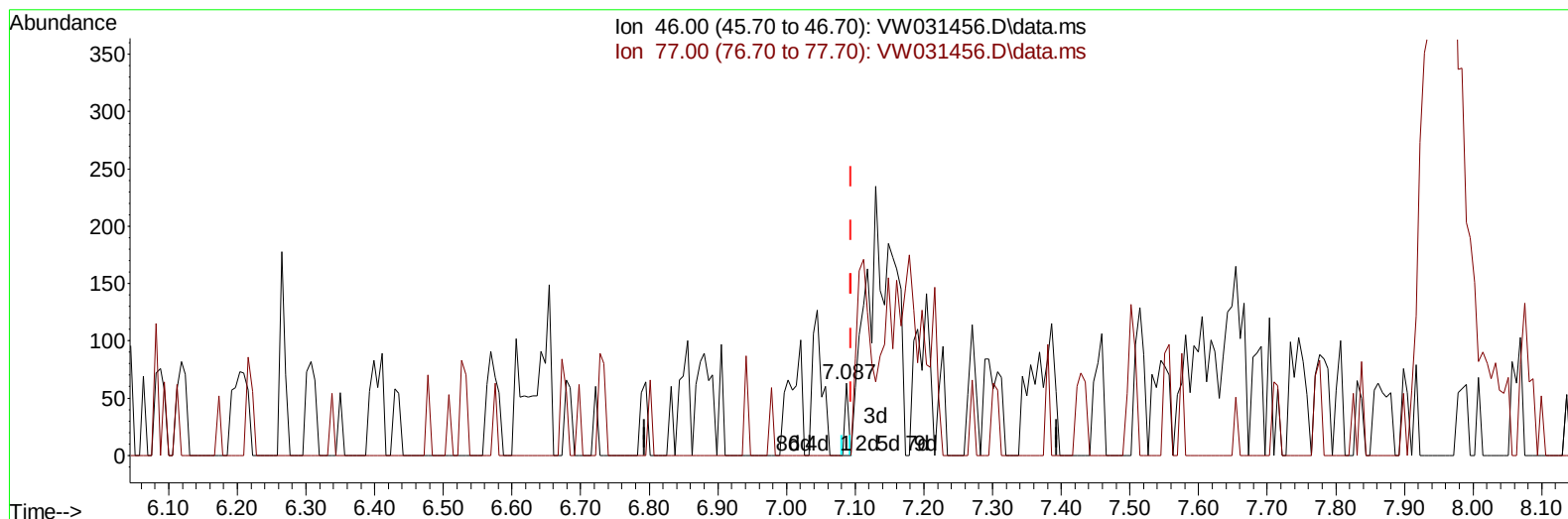
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122024\
 Data File : VW031456.D
 Acq On : 21 Dec 2024 03:27
 Operator : SY/MD
 Sample : P5333-21MS
 Misc : 10.36g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E2923MS

Manual IntegrationsAPPROVED

Quant Time: Dec 21 05:15:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 20 23:42:37 2024
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 01/02/2025
 Supervised By :Mahesh Dadoda 01/02/2025



TIC: VW031456.D\data.ms

(21) 2-Butanone-d5 (S)

7.087min (-0.006) 0.02 ug/L

response 23

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	29.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

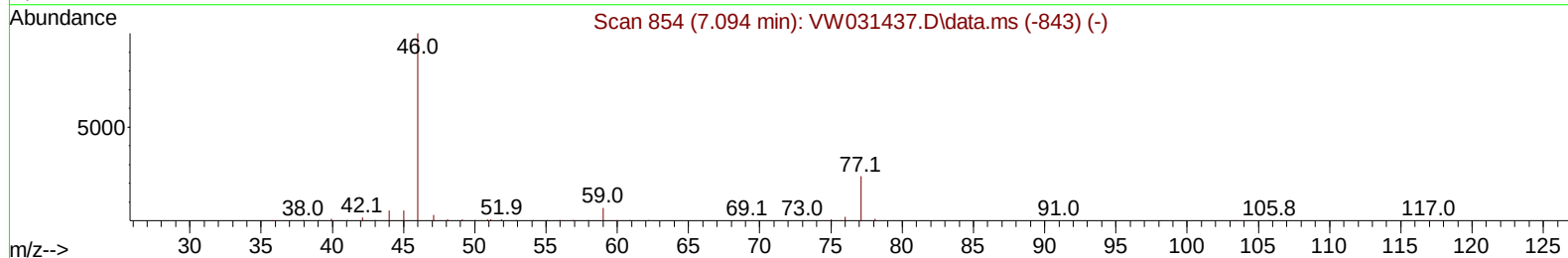
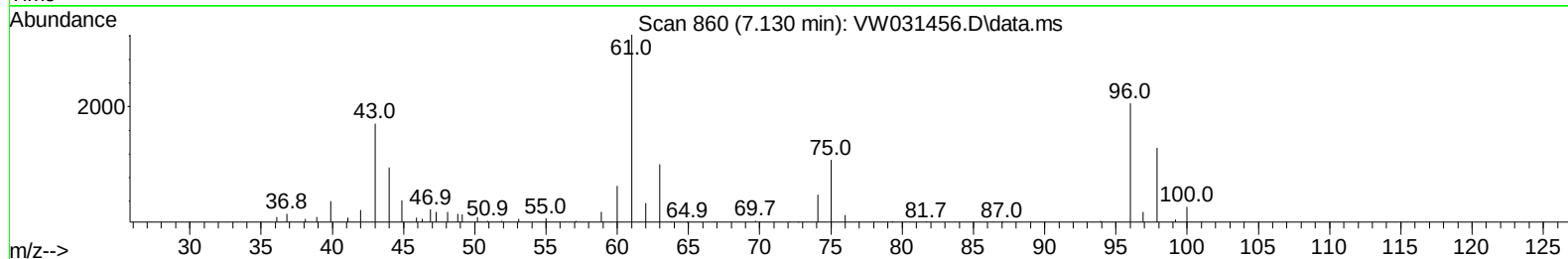
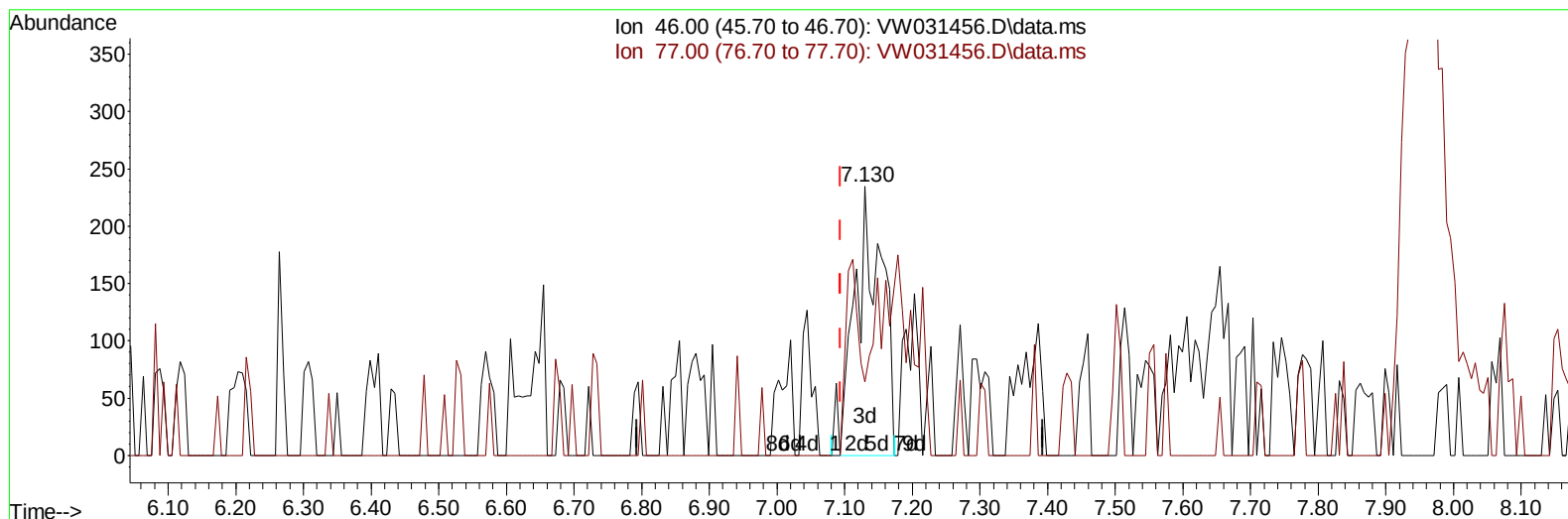
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122024\
Data File : VW031456.D
Acq On : 21 Dec 2024 03:27
Operator : SY/MD
Sample : P5333-21MS
Misc : 10.36g/10mL/MSVOA_W/SOIL/A
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E2923MS

Manual IntegrationsAPPROVED

Quant Time: Dec 21 05:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 20 23:42:37 2024
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025



TIC: VW031456.D\data.ms

(21) 2-Butanone-d5 (S)

7.130min (+ 0.037) 0.61 ug/L m

response 657

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	29.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

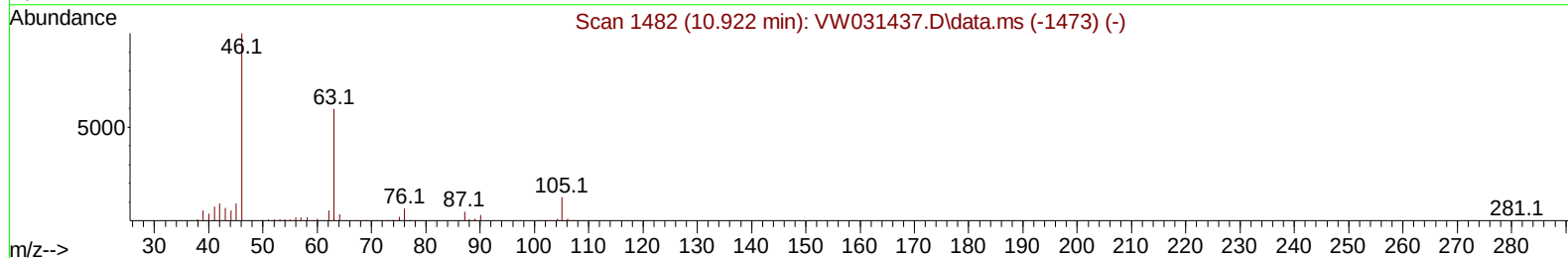
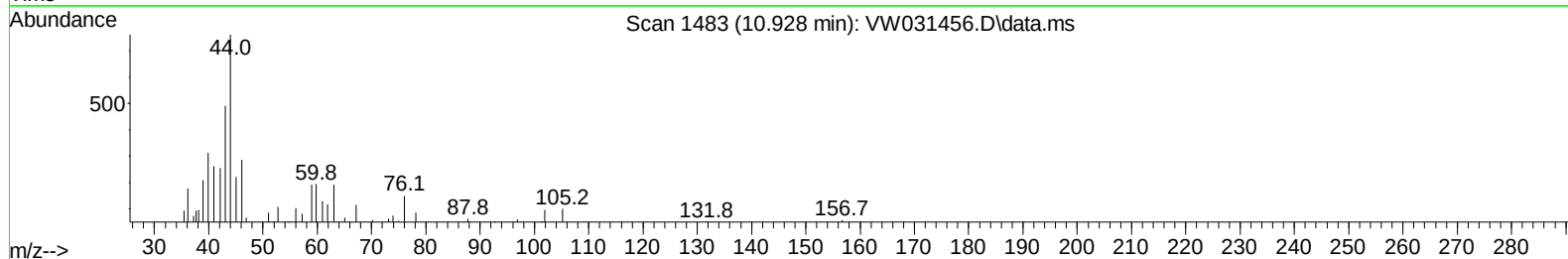
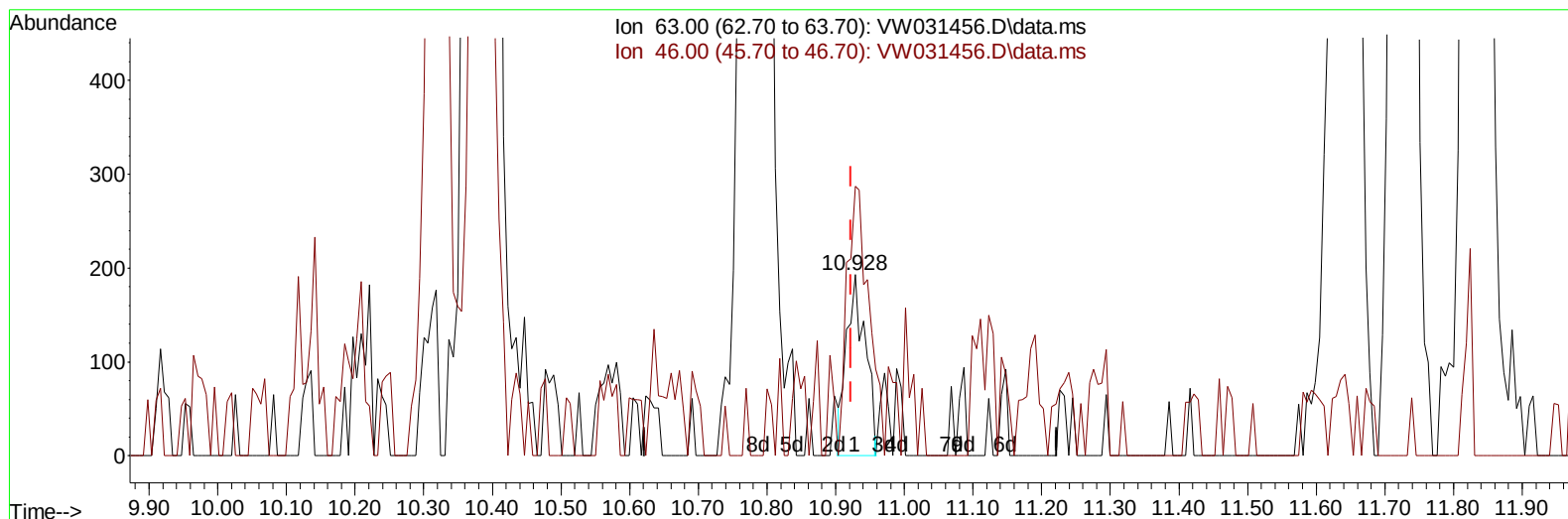
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122024\
Data File : VW031456.D
Acq On : 21 Dec 2024 03:27
Operator : SY/MD
Sample : P5333-21MS
Misc : 10.36g/10mL/MSVOA_W/SOIL/A
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E2923MS

Manual IntegrationsAPPROVED

Quant Time: Dec 21 05:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 20 23:42:37 2024
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025



TIC: VW031456.D\data.ms

(47) 2-Hexanone-d5 (S)

10.928min (+ 0.006) 0.86 ug/L

response 365

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	169.50	173.15
0.00	0.00	0.00
0.00	0.00	0.00

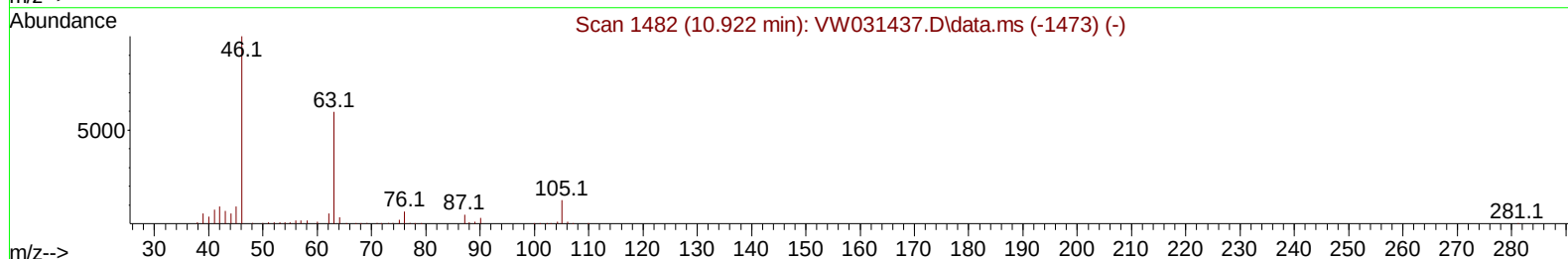
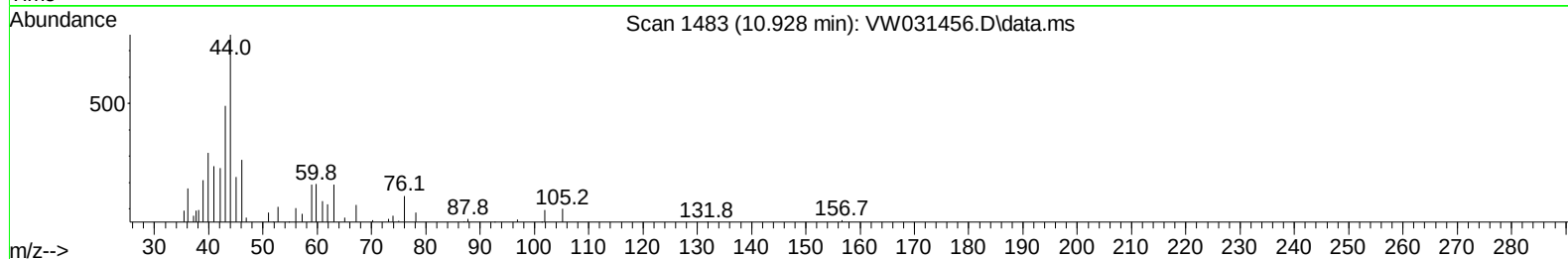
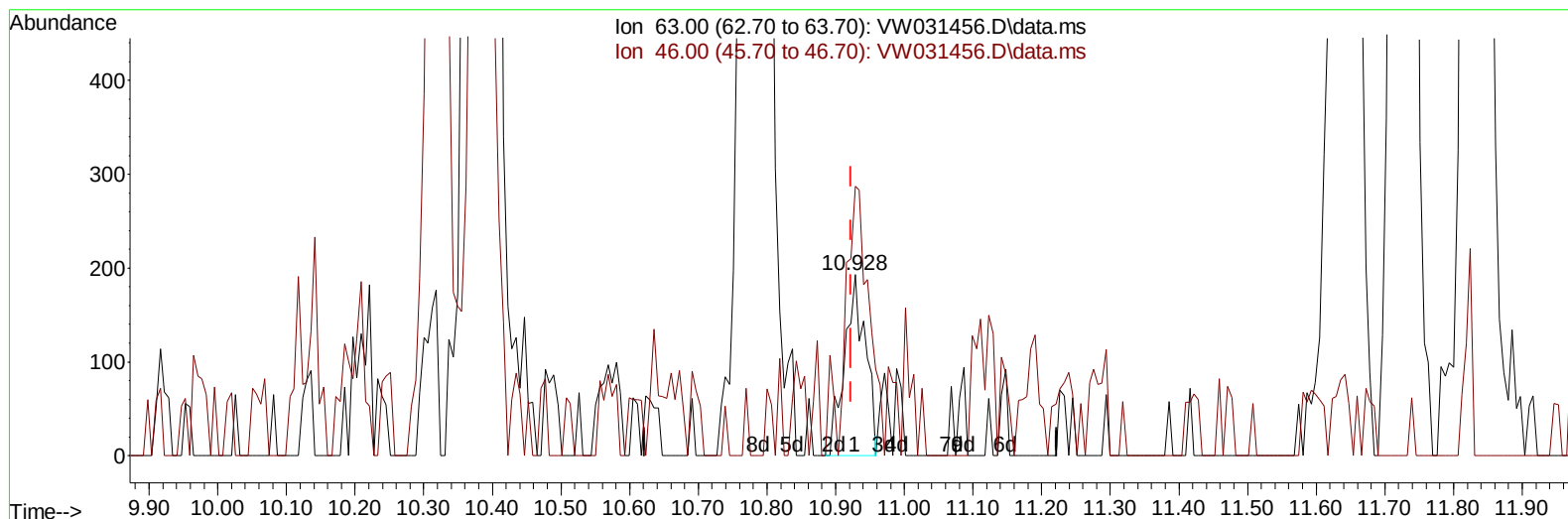
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122024\
Data File : VW031456.D
Acq On : 21 Dec 2024 03:27
Operator : SY/MD
Sample : P5333-21MS
Misc : 10.36g/10mL/MSVOA_W/SOIL/A
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E2923MS

Manual IntegrationsAPPROVED

Quant Time: Dec 21 05:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 20 23:42:37 2024
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025



TIC: VW031456.D\data.ms

(47) 2-Hexanone-d5 (S)

10.928min (+ 0.006) 0.95 ug/L m

response 407

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	169.50	155.28
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\Vw122024\
 Data File : VW031456.D
 Acq On : 21 Dec 2024 03:27
 Operator : SY/MD
 Sample : P5333-21MS
 Misc : 10.36g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E2923MS

Manual IntegrationsAPPROVED

Quant Time: Dec 21 05:15:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 20 23:42:37 2024
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 01/02/2025
 Supervised By :Mahesh Dadoda 01/02/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	381663	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	169845	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	31097	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	176730	30.775	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	123.120%	
7) Chloroethane-d5	2.899	69	129222	30.420	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	121.680%	
11) 1,1-Dichloroethene-d2	4.015	65	56711	20.819	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	83.280%	
21) 2-Butanone-d5	7.130	46	657m	0.608	ug/L	0.04
Spiked Amount 50.000	Range 20	- 135	Recovery	=	1.220%#	
24) Chloroform-d	7.648	84	208379	19.927	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	79.720%	
26) 1,2-Dichloroethane-d4	8.307	65	121742	23.181	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	92.720%	
32) Benzene-d6	8.270	84	370282	34.014	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	136.040%#	
36) 1,2-Dichloropropane-d6	9.270	67	113100	35.648	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	142.600%#	
41) Toluene-d8	10.319	98	219922	21.716	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	86.880%	
43) trans-1,3-Dichloroprop...	10.575	79	1736	1.187	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	4.760%#	
47) 2-Hexanone-d5	10.928	63	407m	0.954	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	1.900%#	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	54077	27.147	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	108.600%	
66) 1,2-Dichlorobenzene-d4	13.848	152	20004	17.328	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	69.320%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.009	85	89912	26.067	ug/L	99
3) Chloromethane	2.216	50	58607	15.124	ug/L	97
5) Vinyl chloride	2.369	62	133163	24.797	ug/L	97
6) Bromomethane	2.789	94	2841m	0.861	ug/L	
8) Chloroethane	2.936	64	82273	25.761	ug/L	98
9) Trichlorofluoromethane	3.265	101	125762	21.983	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	120946	26.181	ug/L	98
12) 1,1-Dichloroethene	4.045	96	84409	18.040	ug/L	88
13) Acetone	4.167	43	37025	24.583	ug/L #	100
14) Carbon disulfide	4.387	76	156904	10.283	ug/L	100
15) Methyl Acetate	4.704	43	6235m	3.645	ug/L	
16) Methylene chloride	4.917	84	124257	25.875	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	79671	15.797	ug/L	91
18) Methyl tert-butyl Ether	5.429	73	210527	24.969	ug/L	99
19) 1,1-Dichloroethane	6.216	63	173942	18.456	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	87669	16.066	ug/L	98
22) 2-Butanone	7.179	43	68143	37.341	ug/L	80
23) Bromochloromethane	7.520	128	55086	25.312	ug/L	87

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\Vw122024\
 Data File : VW031456.D
 Acq On : 21 Dec 2024 03:27
 Operator : SY/MD
 Sample : P5333-21MS
 Misc : 10.36g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E2923MS

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 01/02/2025
 Supervised By :Mahesh Dadoda 01/02/2025

Quant Time: Dec 21 05:15:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 20 23:42:37 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.679	83	178825	19.225	ug/L	95
27) 1,2-Dichloroethane	8.398	62	114904	19.650	ug/L	98
29) Cyclohexane	7.953	56	161696	35.105	ug/L	97
30) 1,1,1-Trichloroethane	7.868	97	133178	30.337	ug/L	98
31) Carbon tetrachloride	8.069	117	67459	17.248	ug/L	99
33) Benzene	8.325	78	296861	28.283	ug/L	100
34) Trichloroethene	9.093	95	60779	20.511	ug/L	94
35) Methylcyclohexane	9.331	83	168834	32.717	ug/L	99
37) 1,2-Dichloropropane	9.361	63	79027	30.181	ug/L	100
38) Bromodichloromethane	9.642	83	21179	6.222	ug/L	98
39) cis-1,3-Dichloropropene	10.063	75	1609	0.364	ug/L	95
40) 4-Methyl-2-pentanone	10.209	43	74491	53.622	ug/L	99
42) Toluene	10.386	91	201774	17.657	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	2700	0.747	ug/L #	80
45) 1,1,2-Trichloroethane	10.782	97	55284	31.743	ug/L	95
46) Tetrachloroethene	10.861	164	29587	13.631	ug/L	96
48) 2-Hexanone	10.965	43	43217	36.579	ug/L #	77
49) Dibromochloromethane	11.123	129	8895	4.309	ug/L	86
50) 1,2-Dibromoethane	11.233	107	17111	10.371	ug/L	97
51) Chlorobenzene	11.654	112	90740	12.665	ug/L	96
52) Ethylbenzene	11.727	91	145729	11.003	ug/L	97
53) m,p-Xylene	11.837	106	50012	9.919	ug/L	97
54) o-Xylene	12.160	106	55300	11.638	ug/L	97
55) Styrene	12.178	104	50714	6.416	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.708	83	45241	24.097	ug/L	100
59) Bromoform	12.343	173	2675	6.123	ug/L #	98
60) Isopropylbenzene	12.458	105	119527	23.488	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	38200	71.788	ug/L	98
62) 1,3,5-Trimethylbenzene	12.934	105	75131	17.414	ug/L	95
63) 1,2,4-Trimethylbenzene	13.245	105	64403	15.444	ug/L	98
64) 1,3-Dichlorobenzene	13.489	146	25637	12.434	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	25707	12.584	ug/L	94
67) 1,2-Dichlorobenzene	13.867	146	25857	14.555	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.476	75	4025	29.807	ug/L	87
69) 1,3,5-Trichlorobenzene	14.623	180	11195	7.753	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	8450	7.035	ug/L	99
71) Naphthalene	15.360	128	26373	12.523	ug/L	96
72) 1,2,3-Trichlorobenzene	15.543	180	8576	8.861	ug/L	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122024\
Data File : VW031456.D
Acq On : 21 Dec 2024 03:27
Operator : SY/MD
Sample : P5333-21MS
Misc : 10.36g/10mL/MSVOA_W/SOIL/A
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E2923MS

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

Quant Time: Dec 21 05:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 20 23:42:37 2024
Response via : Initial Calibration

