

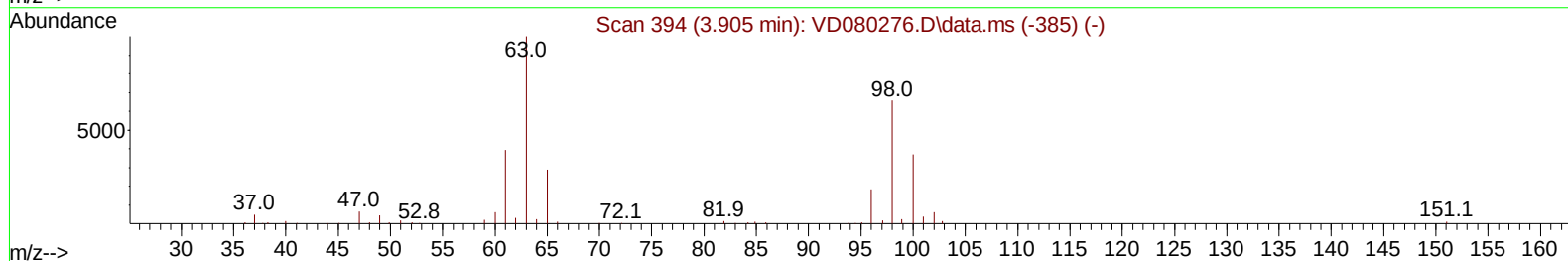
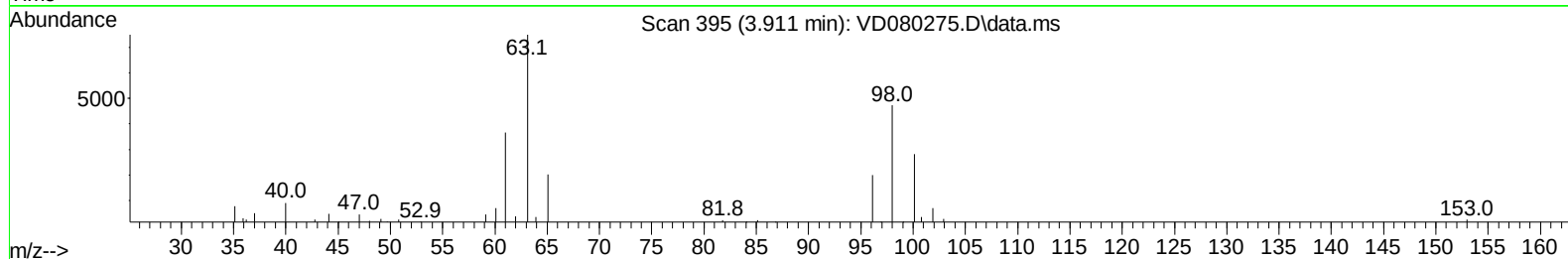
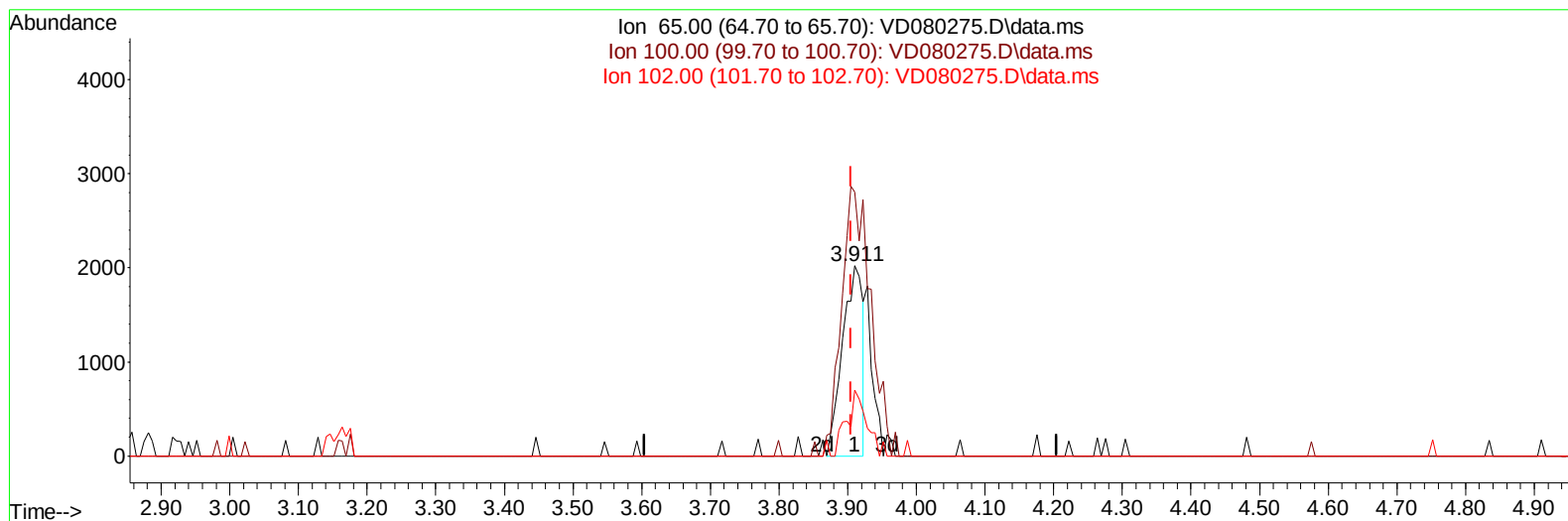
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
Data File : VD080275.D
Acq On : 18 Mar 2025 11:03
Operator : RP/MD
Sample : VSTD00571
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

Manual IntegrationsAPPROVED

Quant Time: Mar 24 09:10:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 09:08:12 2025
Response via : Initial Calibration

Reviewed By :Romaben Patel 03/24/2025
Supervised By :Mahesh Dadoda 03/25/2025



TIC: VD080275.D\data.ms

(11) 1,1-Dichloroethene-d2 (S)

3.911min (+ 0.006) 3.56 ug/L

response 4126

Ion	Exp%	Act%
65.00	100.00	100.00
100.00	151.90	124.79
102.00	23.00	19.87
0.00	0.00	0.00

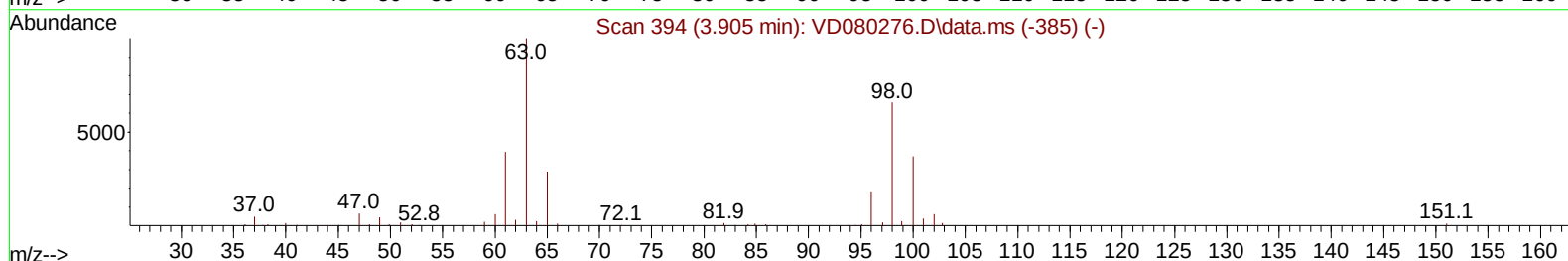
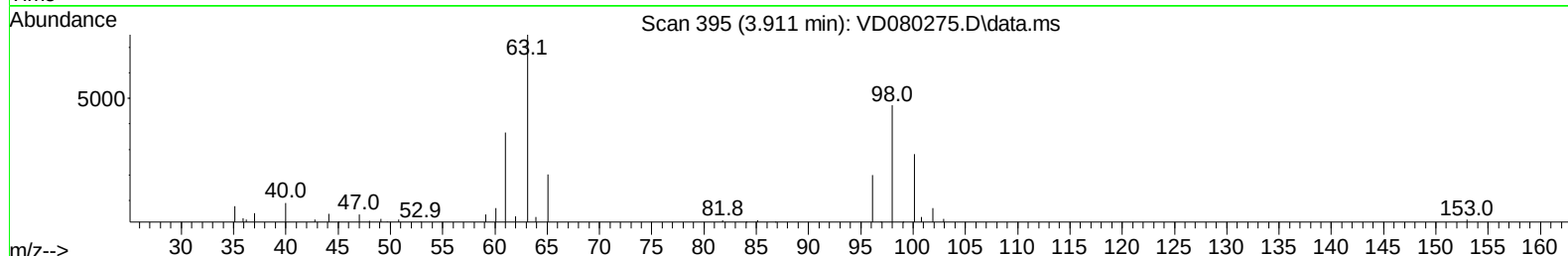
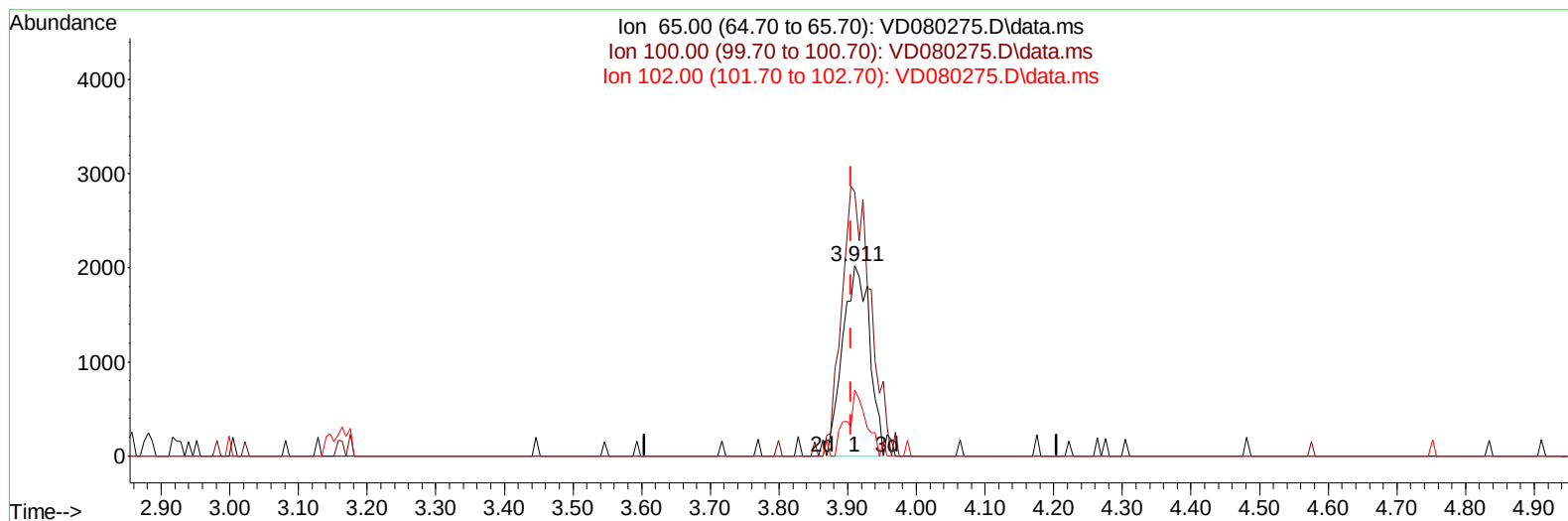
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Data File : VD080275.D
Acq On : 18 Mar 2025 11:03
Operator : RP/MD
Sample : VSTD00571
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

Manual IntegrationsAPPROVED

Quant Time: Mar 24 09:10:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 09:08:12 2025
Response via : Initial Calibration

Reviewed By :Romaben Patel 03/24/2025
Supervised By :Mahesh Dadoda 03/25/2025



TIC: VD080275.D\data.ms

(11) 1,1-Dichloroethene-d2 (S)

3.911min (+ 0.006) 4.70 ug/L m

response 5450

Ion	Exp%	Act%
65.00	100.00	100.00
100.00	151.90	94.48#
102.00	23.00	15.05#
0.00	0.00	0.00

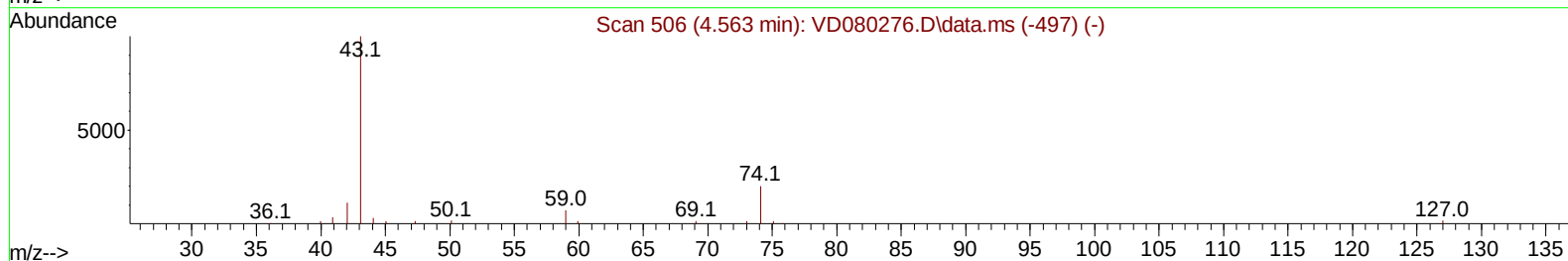
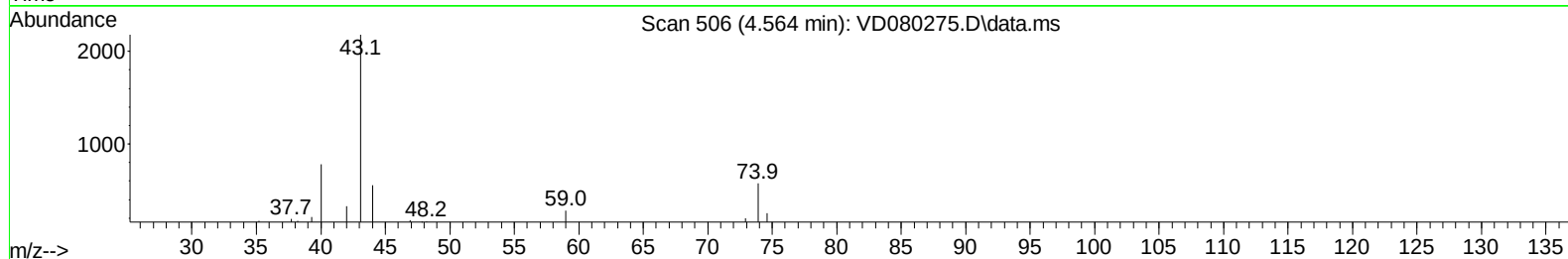
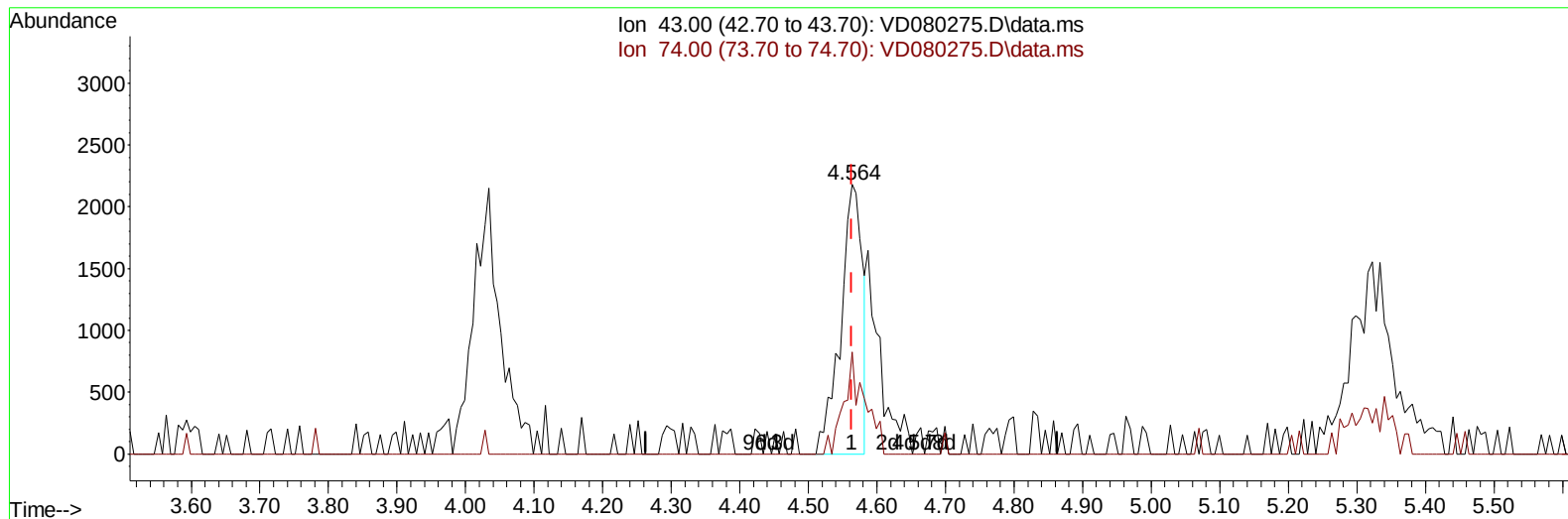
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Data File : VD080275.D
Acq On : 18 Mar 2025 11:03
Operator : RP/MD
Sample : VSTD00571
Misc : 5.00G/10mL/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD00571

Manual IntegrationsAPPROVED

Reviewed By :Romaben Patel 03/24/2025
Supervised By :Mahesh Dadoda 03/25/2025

Quant Time: Mar 24 09:10:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 09:08:12 2025
Response via : Initial Calibration



TIC: VD080275.D\data.ms

(15) Methyl Acetate (T)

4.564min (+ 0.000) 3.47 ug/L

response 4792

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	21.50	19.28
0.00	0.00	0.00
0.00	0.00	0.00

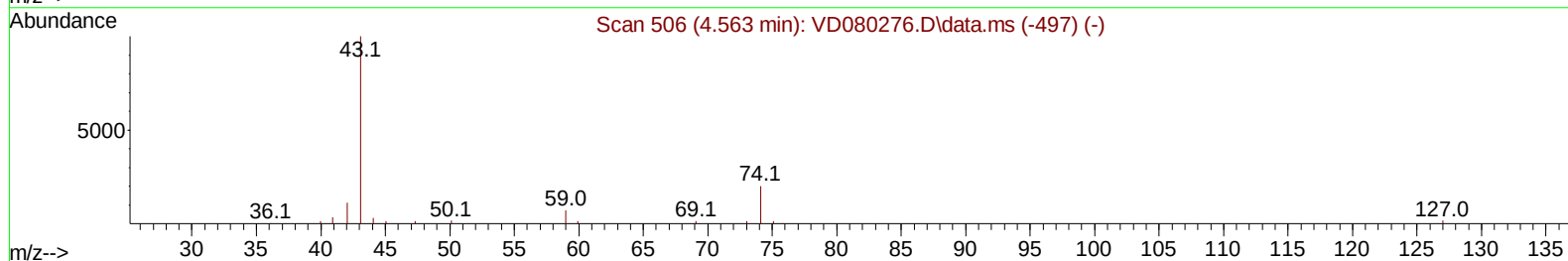
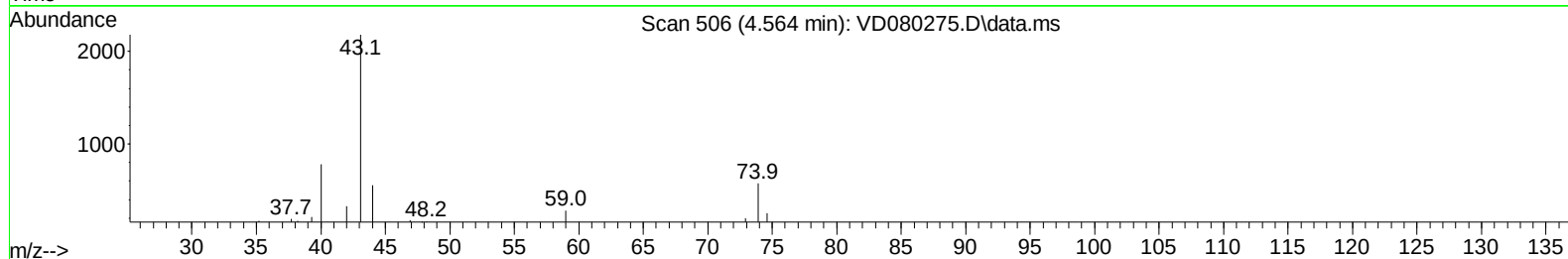
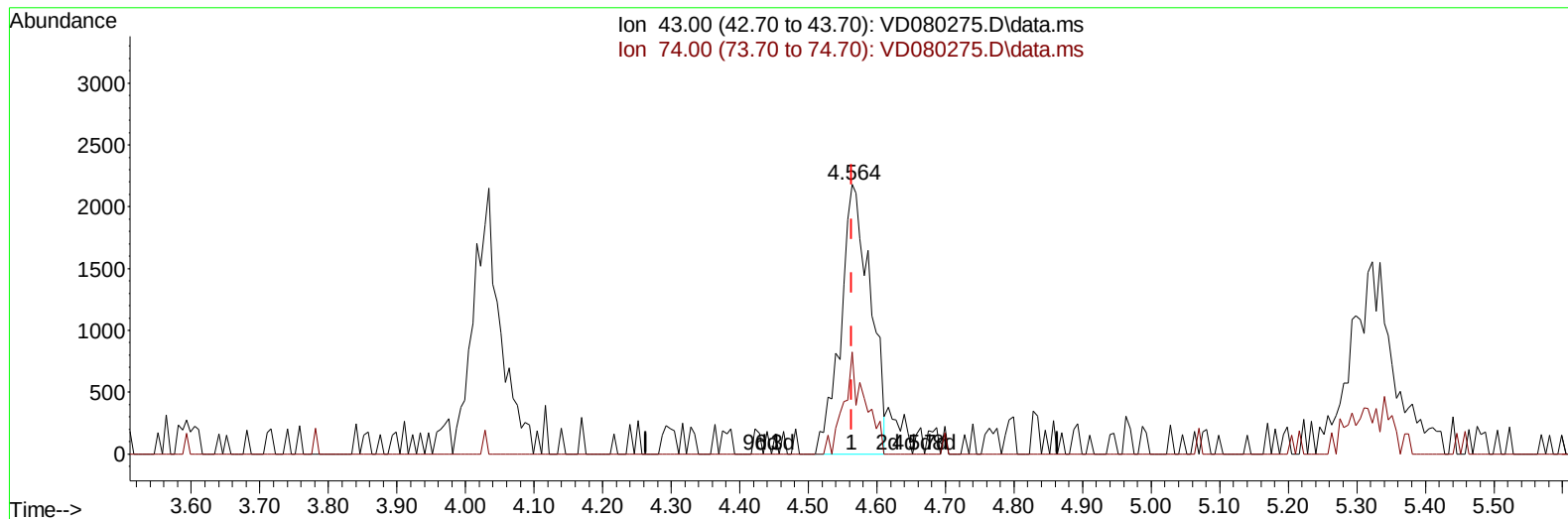
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
Data File : VD080275.D
Acq On : 18 Mar 2025 11:03
Operator : RP/MD
Sample : VSTD00571
Misc : 5.00G/10mL/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

Manual IntegrationsAPPROVED

Quant Time: Mar 24 09:10:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 09:08:12 2025
Response via : Initial Calibration

Reviewed By :Romaben Patel 03/24/2025
Supervised By :Mahesh Dadoda 03/25/2025



TIC: VD080275.D\data.ms

(15) Methyl Acetate (T)

4.564min (+ 0.000) 4.74 ug/L m

response 6551

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	21.50	14.10#
0.00	0.00	0.00
0.00	0.00	0.00

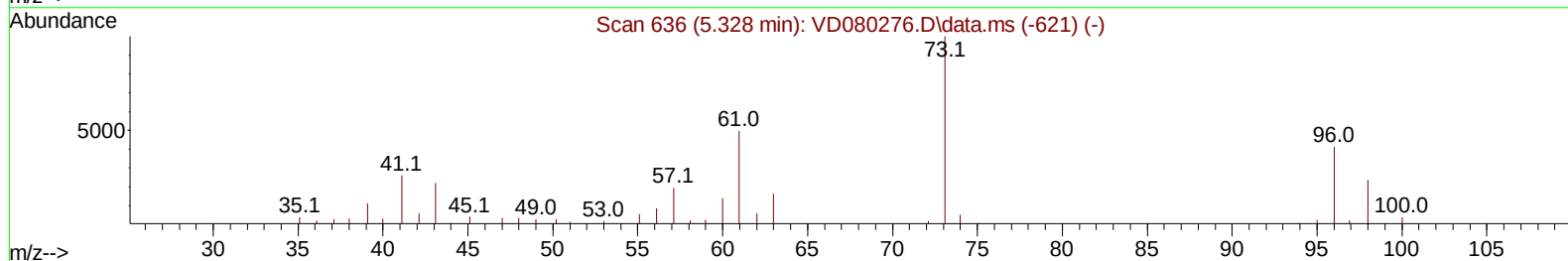
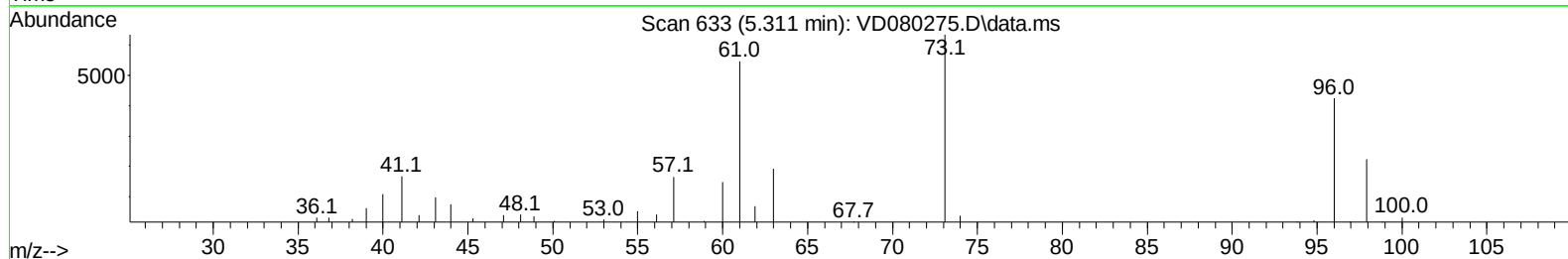
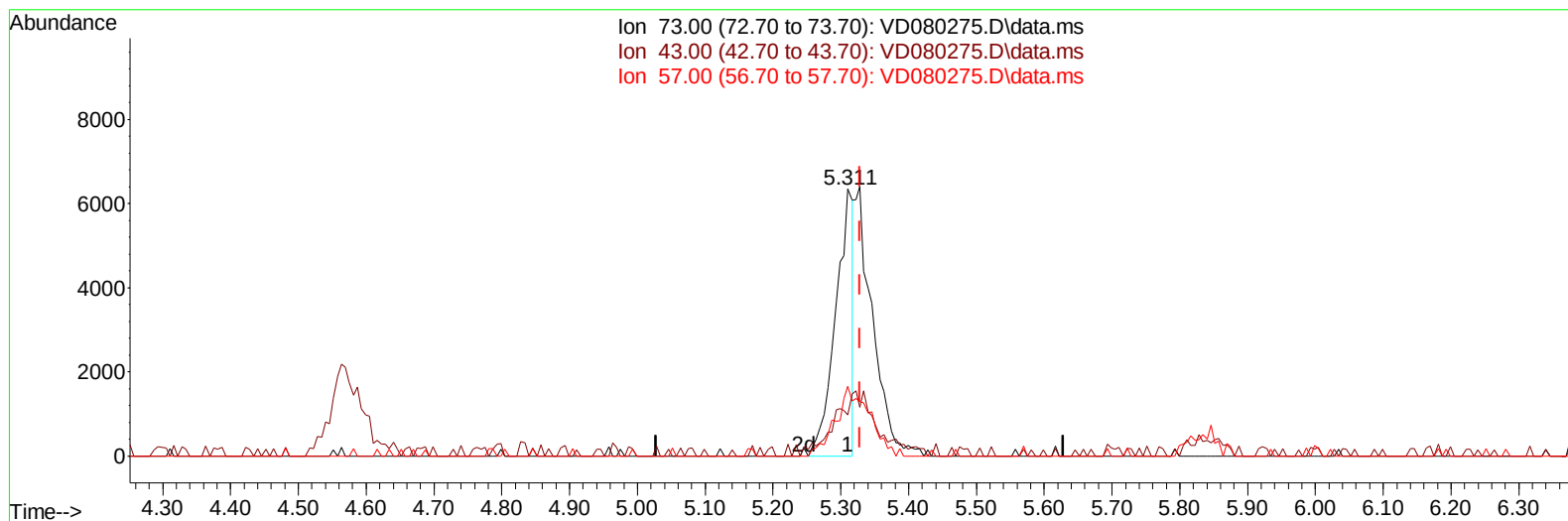
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Data File : VD080275.D
Acq On : 18 Mar 2025 11:03
Operator : RP/MD
Sample : VSTD00571
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD00571

Manual IntegrationsAPPROVED

Quant Time: Mar 24 09:10:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 09:08:12 2025
Response via : Initial Calibration

Reviewed By :Romaben Patel 03/24/2025
Supervised By :Mahesh Dadoda 03/25/2025



TIC: VD080275.D\data.ms

(18) Methyl tert-butyl Ether (T)

5.311min (-0.018) 2.03 ug/L

response 11231

Ion	Exp%	Act%
73.00	100.00	100.00
43.00	21.50	13.37#
57.00	23.50	5.90#
0.00	0.00	0.00

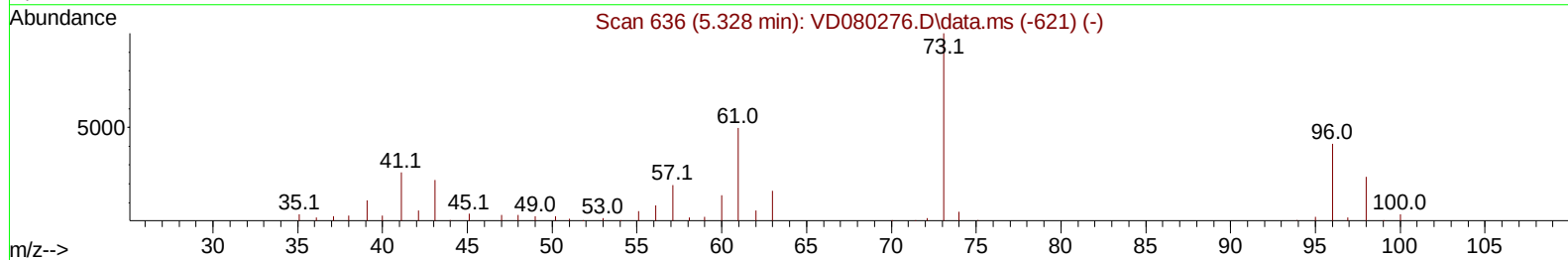
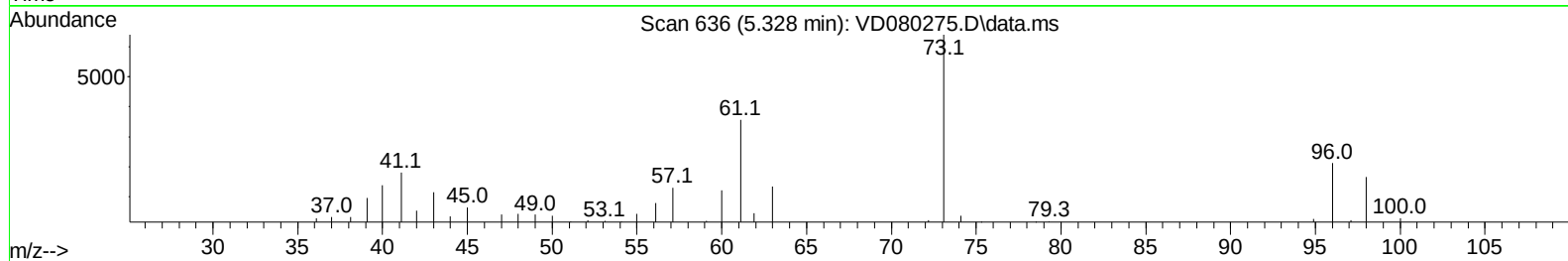
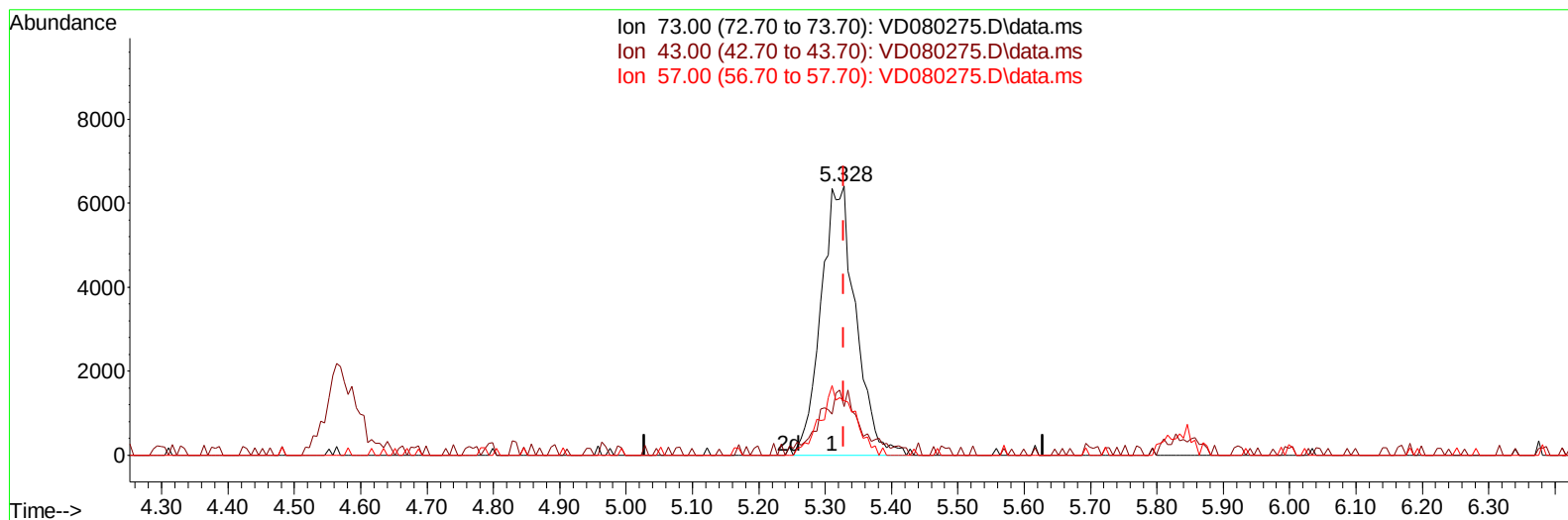
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Data File : VD080275.D
Acq On : 18 Mar 2025 11:03
Operator : RP/MD
Sample : VSTD00571
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

Manual IntegrationsAPPROVED

Quant Time: Mar 24 09:10:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 09:08:12 2025
Response via : Initial Calibration

Reviewed By :Romaben Patel 03/24/2025
Supervised By :Mahesh Dadoda 03/25/2025



TIC: VD080275.D\data.ms

(18) Methyl tert-butyl Ether (T)

5.328min (+ 0.000) 4.17 ug/L m

response 23126

Ion	Exp%	Act%
73.00	100.00	100.00
43.00	21.50	6.49#
57.00	23.50	2.87#
0.00	0.00	0.00

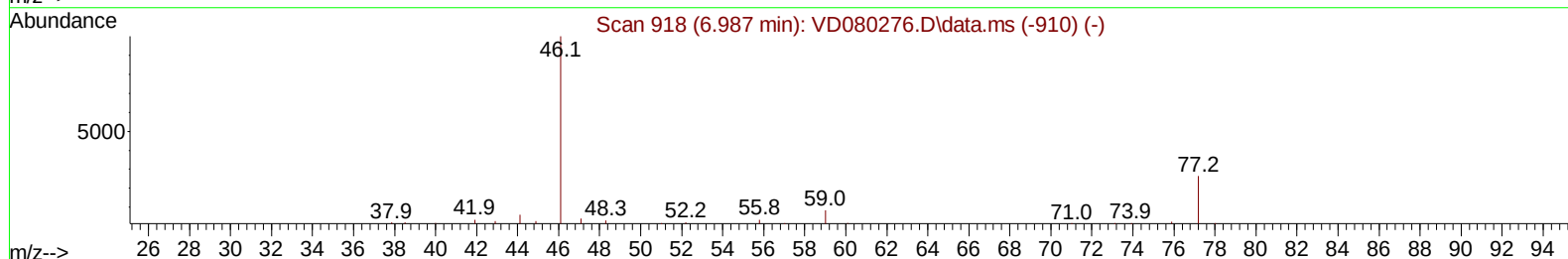
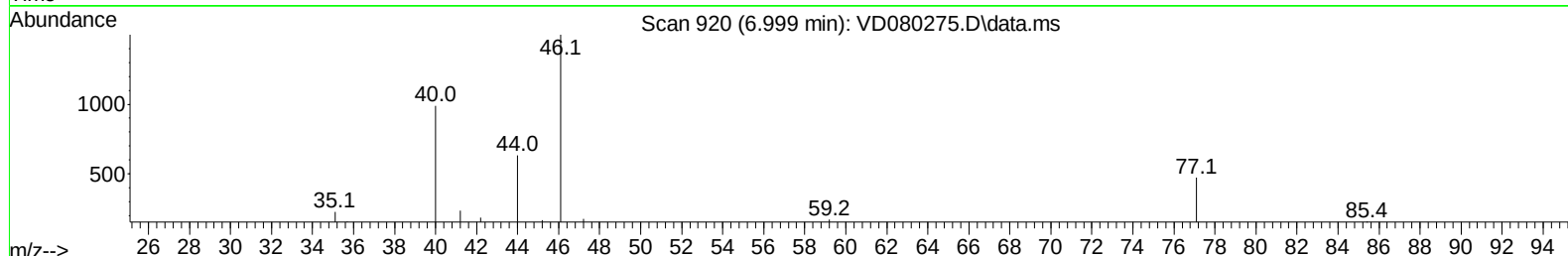
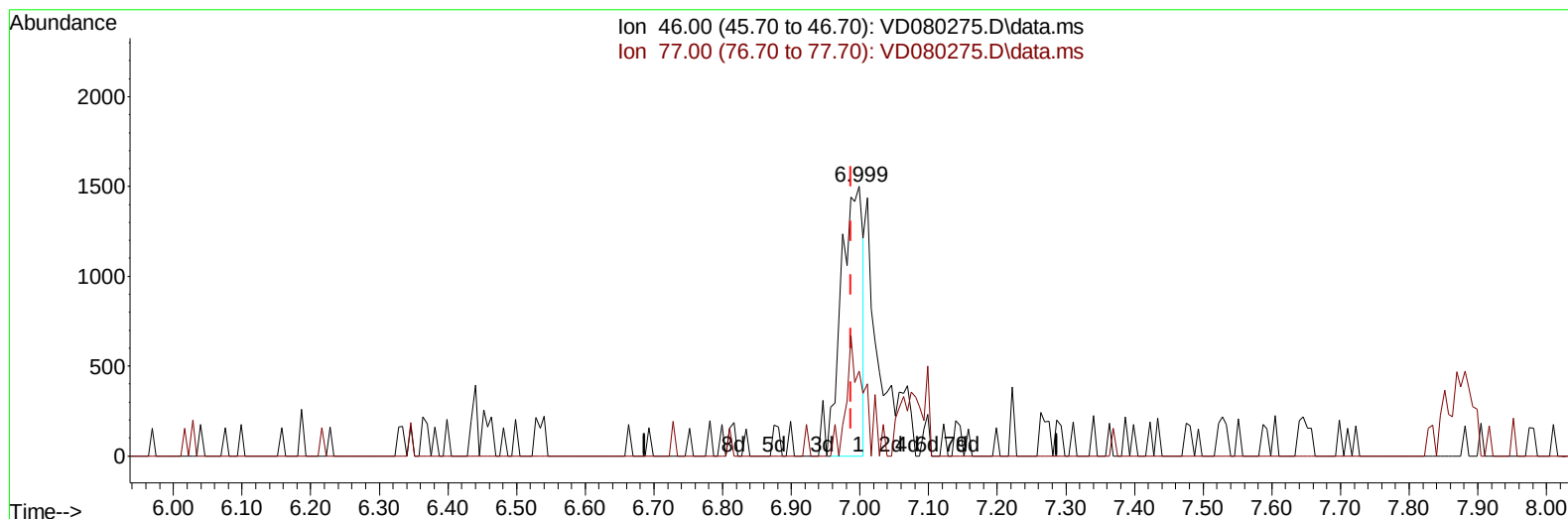
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
Data File : VD080275.D
Acq On : 18 Mar 2025 11:03
Operator : RP/MD
Sample : VSTD00571
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD00571

Manual IntegrationsAPPROVED

Reviewed By :Romaben Patel 03/24/2025
Supervised By :Mahesh Dadoda 03/25/2025

Quant Time: Mar 24 09:10:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 09:08:12 2025
Response via : Initial Calibration



TIC: VD080275.D\data.ms

(21) 2-Butanone-d5 (S)

6.999min (+ 0.012) 5.48 ug/L

response 3241

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	24.40	30.21
0.00	0.00	0.00
0.00	0.00	0.00

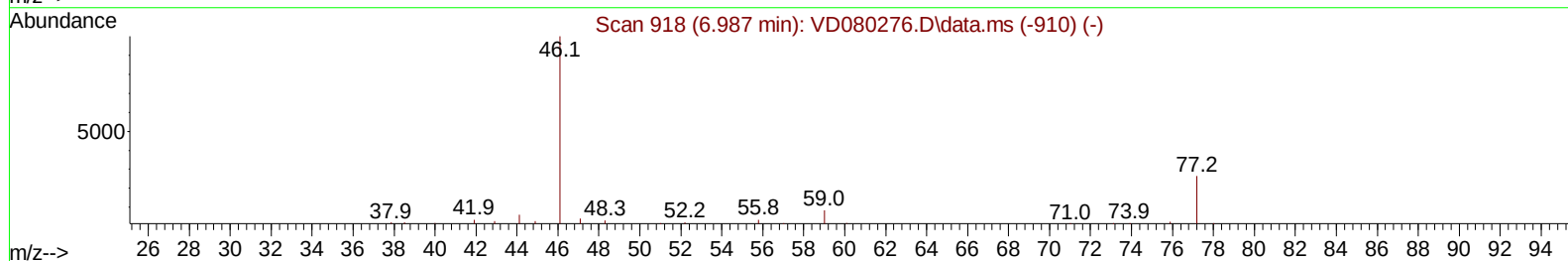
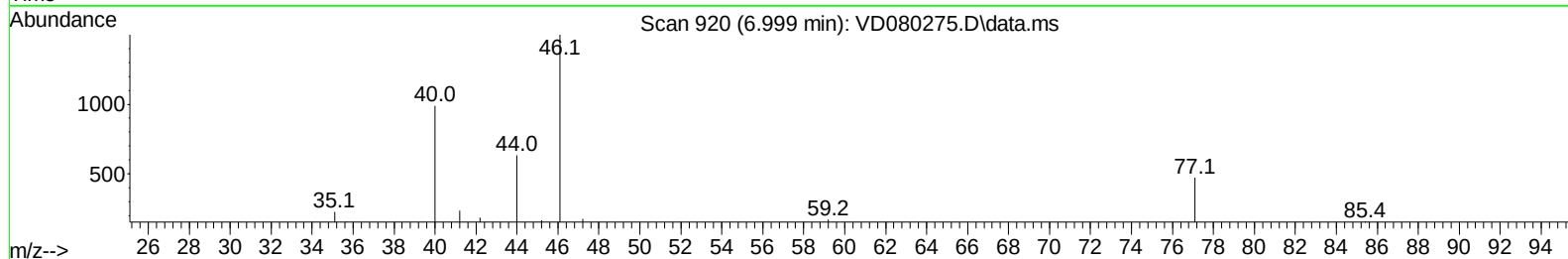
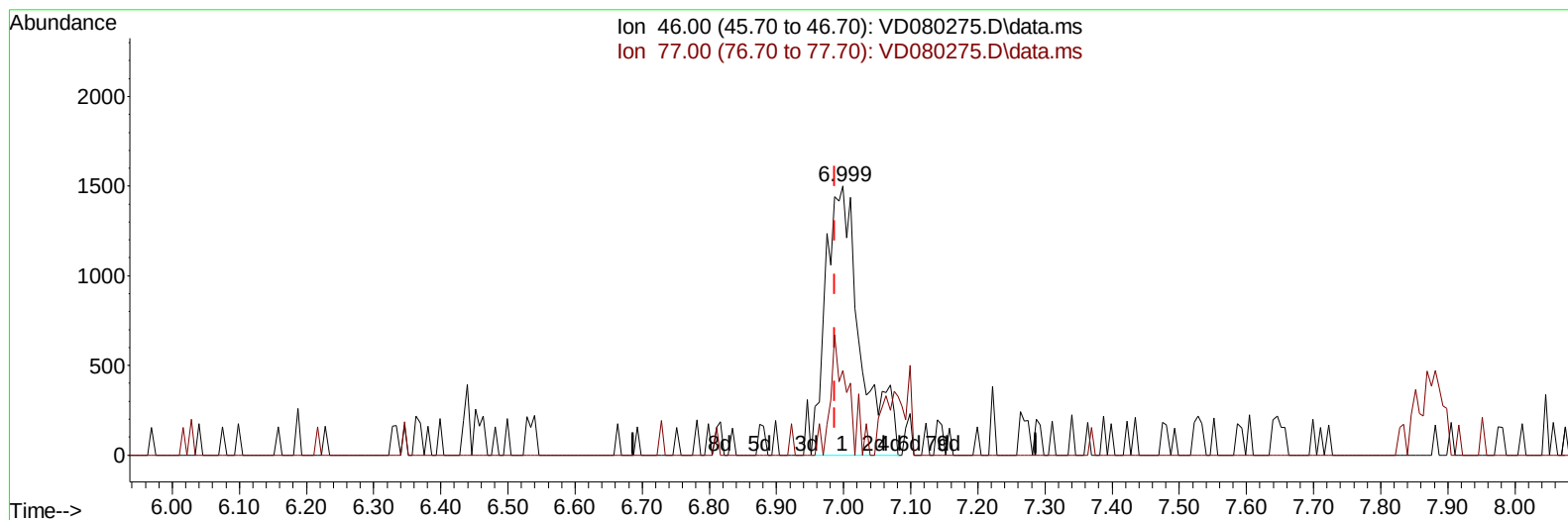
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Data File : VD080275.D
Acq On : 18 Mar 2025 11:03
Operator : RP/MD
Sample : VSTD00571
Misc : 5.00G/10mL/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD00571

Manual IntegrationsAPPROVED

Reviewed By :Romaben Patel 03/24/2025
Supervised By :Mahesh Dadoda 03/25/2025

Quant Time: Mar 24 09:10:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 09:08:12 2025
Response via : Initial Calibration



TIC: VD080275.D\data.ms

(21) 2-Butanone-d5 (S)

6.999min (+ 0.012) 9.06 ug/L m

response 5358

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	24.40	18.27
0.00	0.00	0.00
0.00	0.00	0.00

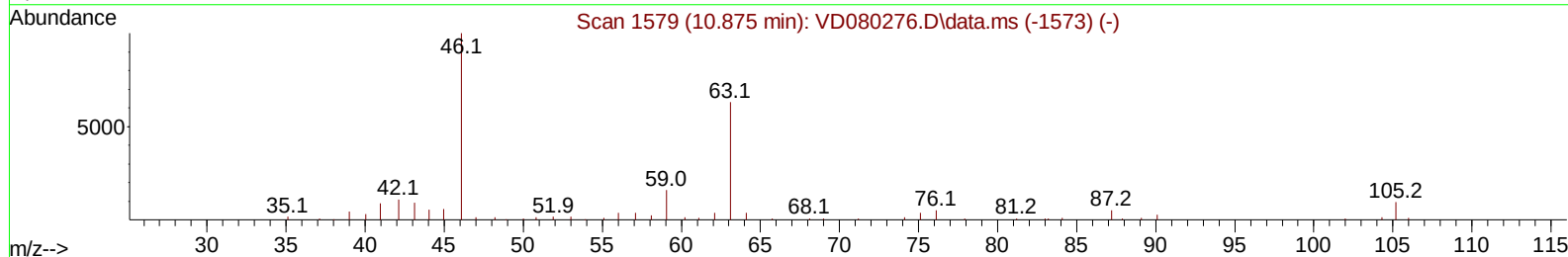
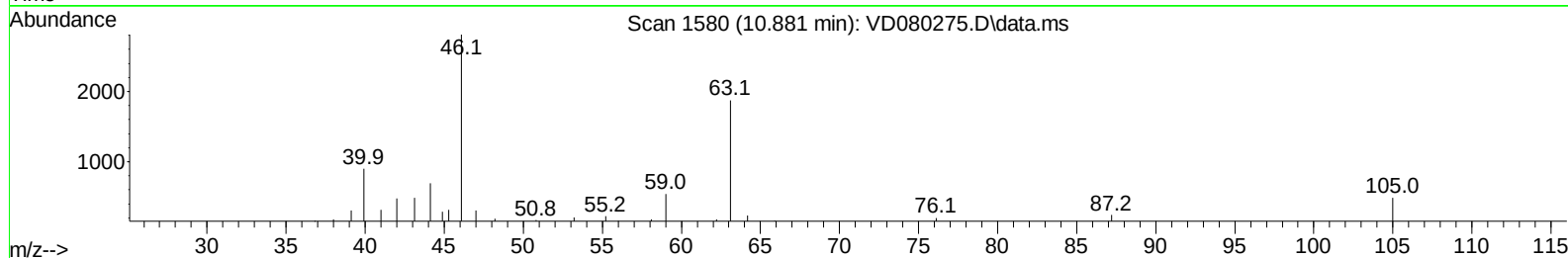
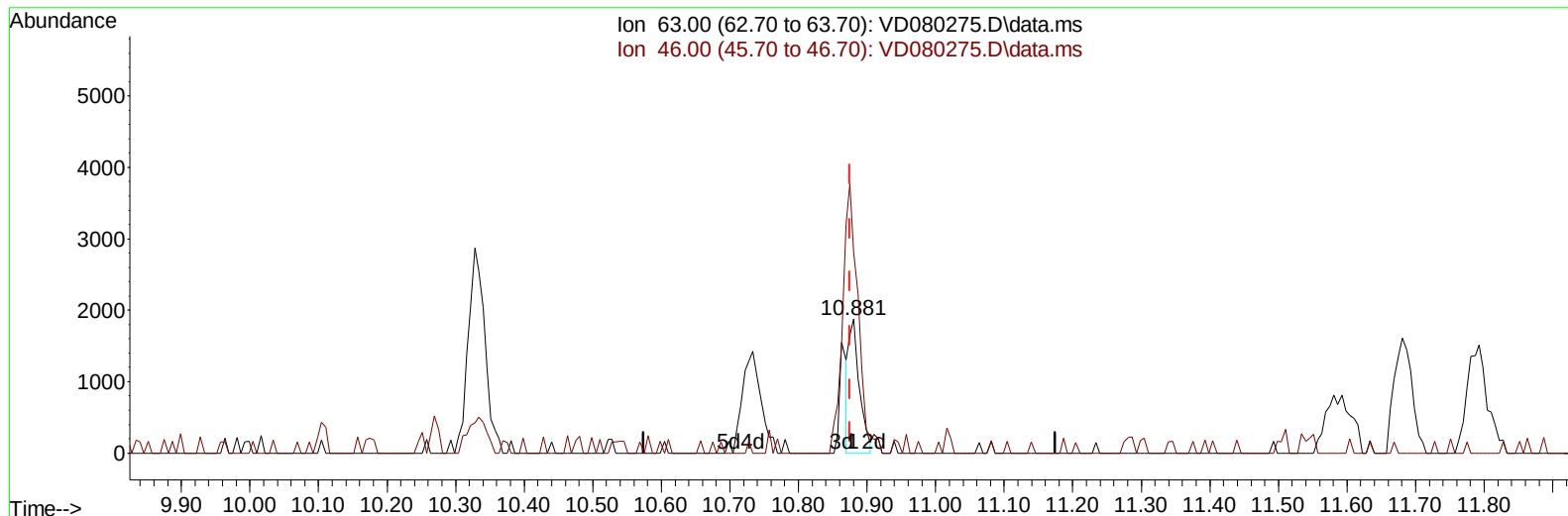
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Data File : VD080275.D
Acq On : 18 Mar 2025 11:03
Operator : RP/MD
Sample : VSTD00571
Misc : 5.00G/10mL/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

Manual IntegrationsAPPROVED

Quant Time: Mar 24 09:10:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 09:08:12 2025
Response via : Initial Calibration

Reviewed By :Romaben Patel 03/24/2025
Supervised By :Mahesh Dadoda 03/25/2025



TIC: VD080275.D\data.ms

(47) 2-Hexanone-d5 (S)

10.881min (+ 0.006) 4.52 ug/L

response 2008

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	183.80	294.72#
0.00	0.00	0.00
0.00	0.00	0.00

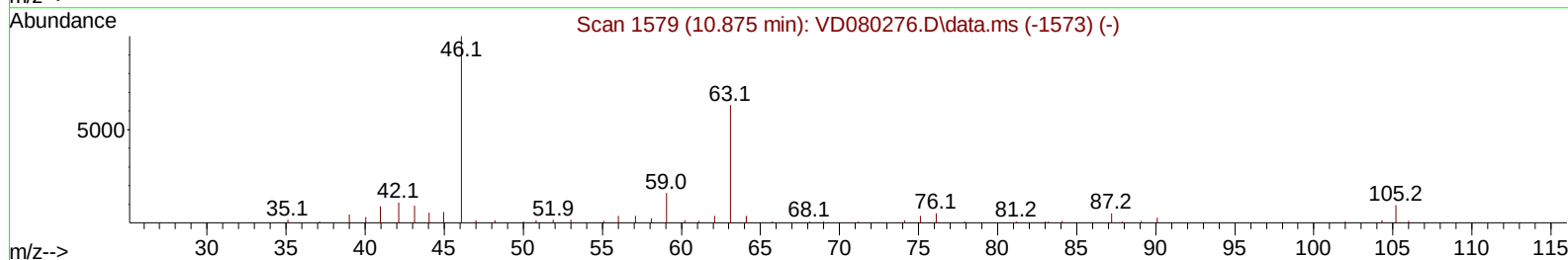
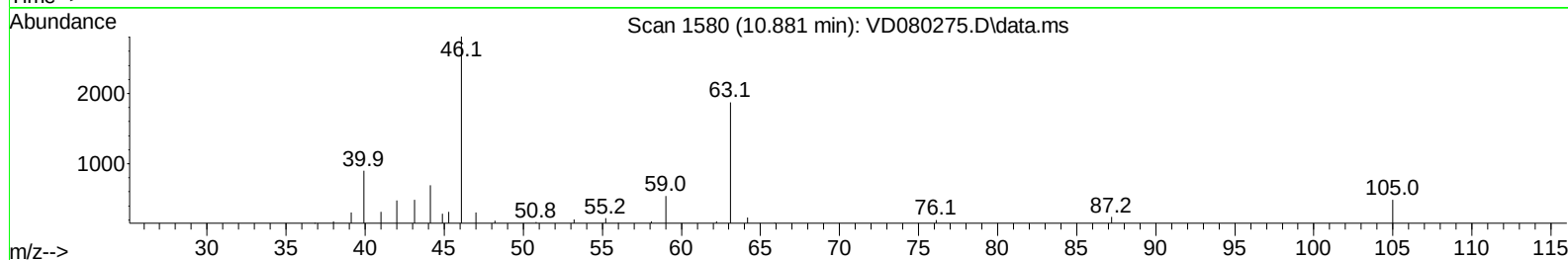
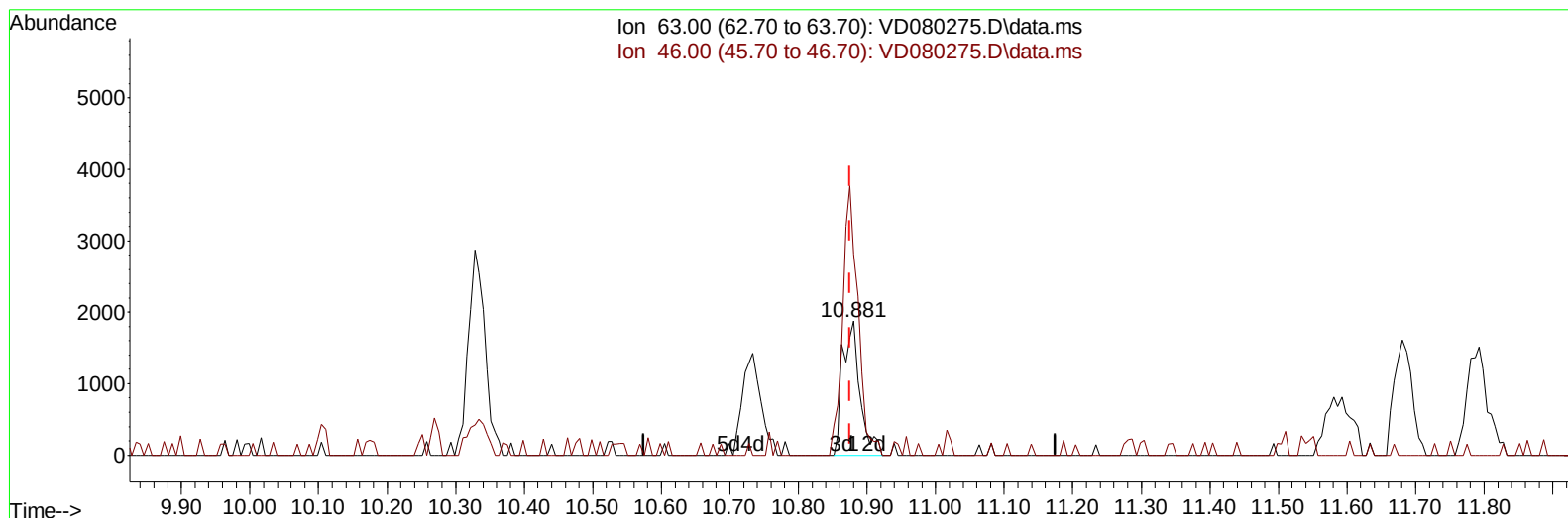
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
Data File : VD080275.D
Acq On : 18 Mar 2025 11:03
Operator : RP/MD
Sample : VSTD00571
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD00571

Manual IntegrationsAPPROVED

Quant Time: Mar 24 09:10:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 09:08:12 2025
Response via : Initial Calibration

Reviewed By :Romaben Patel 03/24/2025
Supervised By :Mahesh Dadoda 03/25/2025



TIC: VD080275.D\data.ms

(47) 2-Hexanone-d5 (S)

10.881min (+ 0.006) 7.38 ug/L m

response 3277

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	183.80	180.59
0.00	0.00	0.00
0.00	0.00	0.00

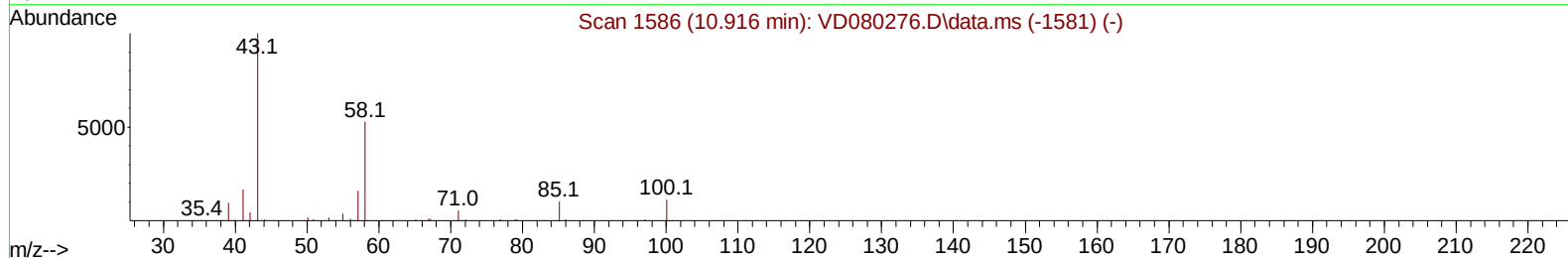
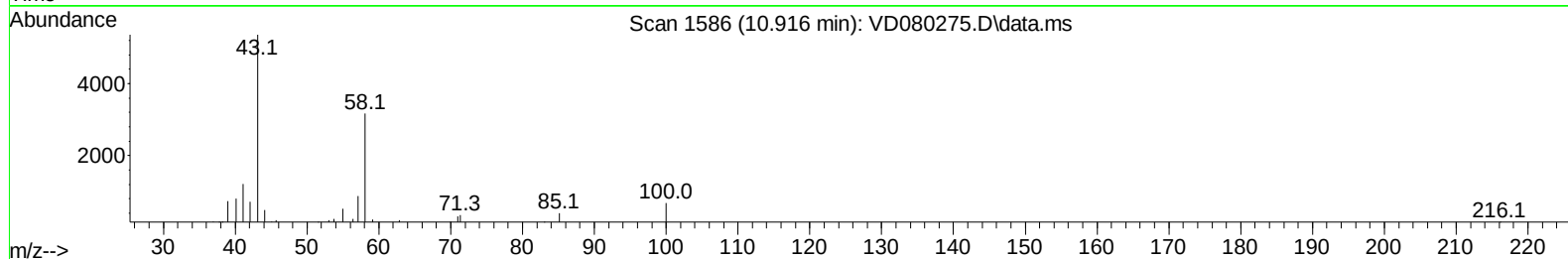
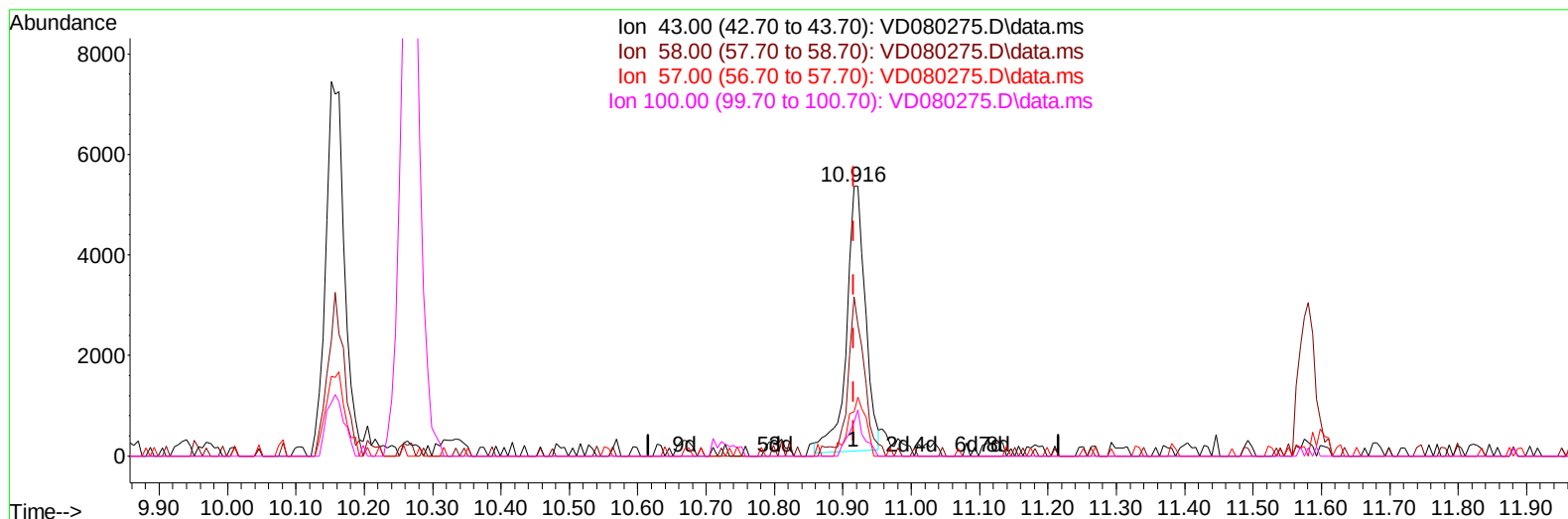
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
Data File : VD080275.D
Acq On : 18 Mar 2025 11:03
Operator : RP/MD
Sample : VSTD00571
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD00571

Manual IntegrationsAPPROVED

Quant Time: Mar 24 09:10:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 09:08:12 2025
Response via : Initial Calibration

Reviewed By :Romaben Patel 03/24/2025
Supervised By :Mahesh Dadoda 03/25/2025



TIC: VD080275.D\data.ms

(48) 2-Hexanone (T)

10.916min (+ 0.000) 8.76 ug/L

response 10100

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	53.50	49.48
57.00	18.70	20.42
100.00	12.10	13.05

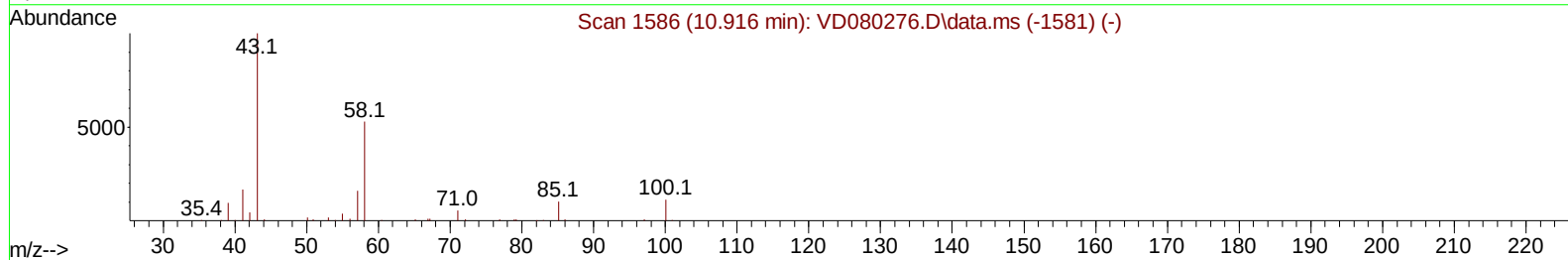
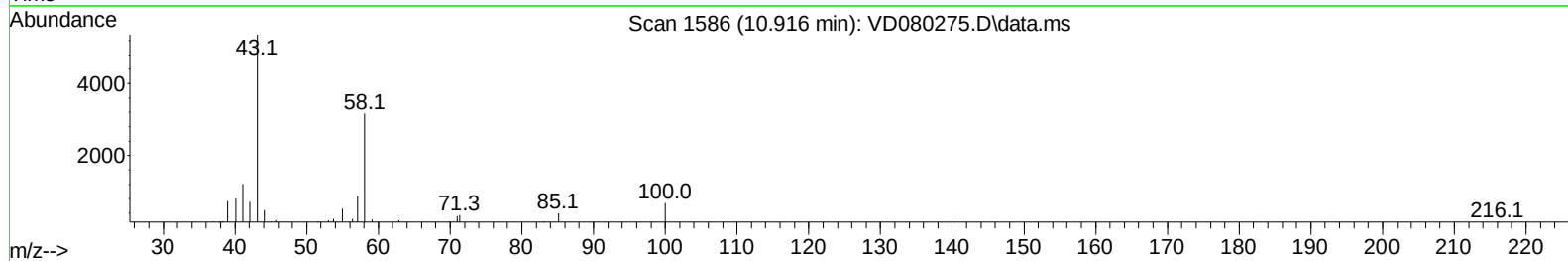
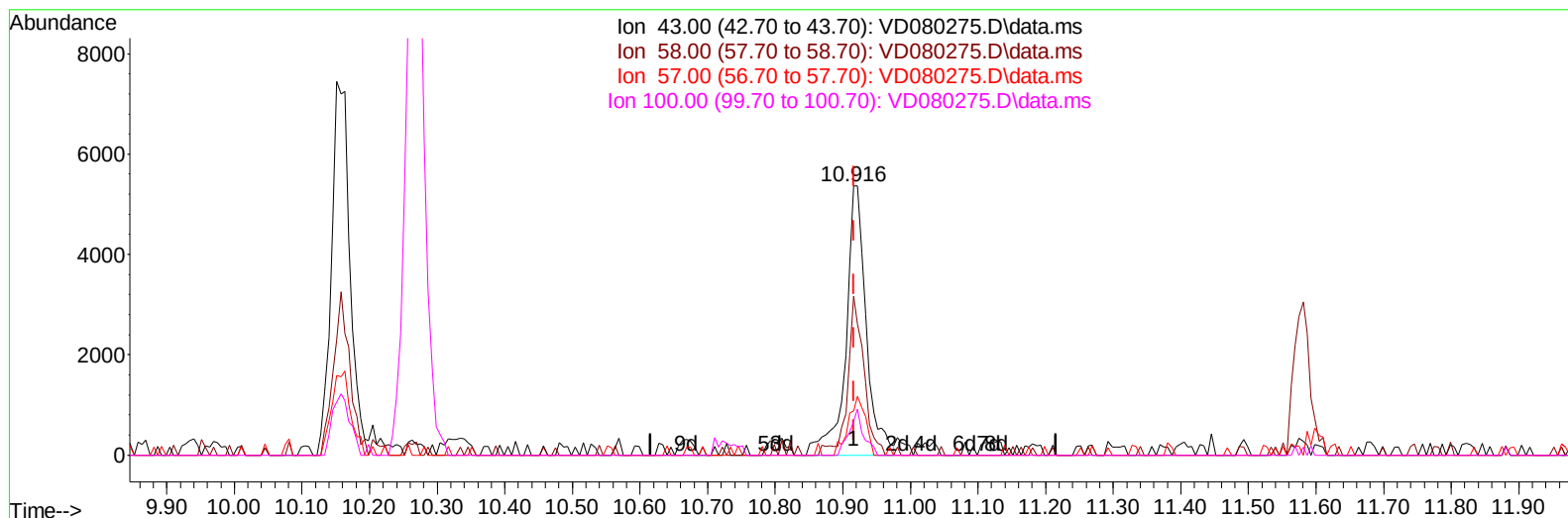
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Data File : VD080275.D
Acq On : 18 Mar 2025 11:03
Operator : RP/MD
Sample : VSTD00571
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD00571

Manual IntegrationsAPPROVED

Quant Time: Mar 24 09:10:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Mar 24 09:08:12 2025
Response via : Initial Calibration

Reviewed By :Romaben Patel 03/24/2025
Supervised By :Mahesh Dadoda 03/25/2025



TIC: VD080275.D\data.ms

(48) 2-Hexanone (T)

10.916min (+ 0.000) 9.76 ug/L m

response 11259

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	53.50	44.38
57.00	18.70	18.31
100.00	12.10	11.71

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
 Data File : VD080275.D
 Acq On : 18 Mar 2025 11:03
 Operator : RP/MD
 Sample : VSTD00571
 Misc : 5.00G/10mL/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005871

Manual IntegrationsAPPROVED

Quant Time: Mar 24 09:10:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Mar 24 09:08:12 2025
 Response via : Initial Calibration

Reviewed By :Romaben Patel 03/24/2025
 Supervised By :Mahesh Dadoda 03/25/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	166554	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	162737	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	78733	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	30051	5.48	ug/L	0.00
7) Chloroethane-d5	2.793	69	25102	5.14	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.911	65	5450m	4.70	ug/L	0.00
21) 2-Butanone-d5	6.999	46	5358m	9.06	ug/L	0.01
24) Chloroform-d	7.569	84	25428	4.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	13946	4.97	ug/L	0.00
32) Benzene-d6	8.199	84	44989	4.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	15023	4.90	ug/L	0.00
41) Toluene-d8	10.263	98	37929	4.42	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	5419	4.29	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	3277m	7.38	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.645	84	12824	4.70	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.810	152	12675	4.60	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	15624	5.05	ug/L	96
3) Chloromethane	2.152	50	25370	5.07	ug/L	96
5) Vinyl chloride	2.275	62	32054	4.93	ug/L	93
6) Bromomethane	2.687	94	16672	4.93	ug/L	92
8) Chloroethane	2.828	64	22430	5.10	ug/L	97
9) Trichlorofluoromethane	3.164	101	24080	4.96	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	14700	5.13	ug/L #	57
12) 1,1-Dichloroethene	3.934	96	11237	4.61	ug/L	93
13) Acetone	4.034	43	5669	9.16	ug/L	97
14) Carbon disulfide	4.264	76	42792	4.74	ug/L	99
15) Methyl Acetate	4.564	43	6551m	4.74	ug/L	
16) Methylene chloride	4.793	84	17605	5.40	ug/L	93
17) trans-1,2-Dichloroethene	5.305	96	12220	4.63	ug/L	86
18) Methyl tert-butyl Ether	5.328	73	23126m	4.17	ug/L	
19) 1,1-Dichloroethane	6.105	63	27023	5.16	ug/L	89
20) cis-1,2-Dichloroethene	7.081	96	13678	4.81	ug/L	98
22) 2-Butanone	7.093	43	7283	9.09	ug/L #	83
23) Bromochloromethane	7.428	128	6827	5.02	ug/L #	89
25) Chloroform	7.593	83	29446	5.31	ug/L	92
27) 1,2-Dichloroethane	8.322	62	17864	5.16	ug/L	98
29) Cyclohexane	7.869	56	16714	4.36	ug/L #	93
30) 1,1,1-Trichloroethane	7.793	97	21593	5.05	ug/L	97
31) Carbon tetrachloride	7.987	117	19593	5.22	ug/L	100
33) Benzene	8.252	78	51665	4.89	ug/L	100
34) Trichloroethene	9.028	95	13852	4.91	ug/L	88
35) Methylcyclohexane	9.275	83	17935	4.48	ug/L	94
37) 1,2-Dichloropropane	9.299	63	15308	4.99	ug/L #	97
38) Bromodichloromethane	9.581	83	20004	5.14	ug/L	90
39) cis-1,3-Dichloropropene	10.016	75	20286	4.56	ug/L	99
40) 4-Methyl-2-pentanone	10.151	43	14174	8.73	ug/L	97
42) Toluene	10.334	91	51590	4.57	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
 Data File : VD080275.D
 Acq On : 18 Mar 2025 11:03
 Operator : RP/MD
 Sample : VSTD00571
 Misc : 5.00G/10mL/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005871

Manual IntegrationsAPPROVED

Reviewed By :Romaben Patel 03/24/2025
 Supervised By :Mahesh Dadoda 03/25/2025

Quant Time: Mar 24 09:10:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Mar 24 09:08:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.551	75	17794	4.79	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	11971	5.21	ug/L	90
46) Tetrachloroethene	10.810	164	10793	4.92	ug/L	94
48) 2-Hexanone	10.916	43	11259m	9.76	ug/L	
49) Dibromochloromethane	11.075	129	13072	5.03	ug/L	94
50) 1,2-Dibromoethane	11.175	107	9990	4.91	ug/L #	89
51) Chlorobenzene	11.604	112	37629	5.03	ug/L	99
52) Ethylbenzene	11.681	91	55081	4.48	ug/L	100
53) m,p-Xylene	11.787	106	20310	4.46	ug/L	99
54) o-Xylene	12.116	106	18324	4.24	ug/L	96
55) Styrene	12.134	104	33559	4.28	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.669	83	13497	4.85	ug/L	96
59) Bromoform	12.298	173	8298	5.69	ug/L	95
60) Isopropylbenzene	12.416	105	50940	4.81	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	9338	5.35	ug/L	94
62) 1,3,5-Trimethylbenzene	12.898	105	38092	4.56	ug/L	96
63) 1,2,4-Trimethylbenzene	13.210	105	38212	4.50	ug/L	97
64) 1,3-Dichlorobenzene	13.457	146	26025	4.91	ug/L	98
65) 1,4-Dichlorobenzene	13.534	146	29369	5.15	ug/L	97
67) 1,2-Dichlorobenzene	13.828	146	23795	4.86	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.439	75	2500	6.06	ug/L #	50
69) 1,3,5-Trichlorobenzene	14.592	180	16193	4.65	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	13147	4.53	ug/L #	95
71) Naphthalene	15.328	128	22058	4.05	ug/L #	93
72) 1,2,3-Trichlorobenzene	15.522	180	11418	4.36	ug/L	91

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

