

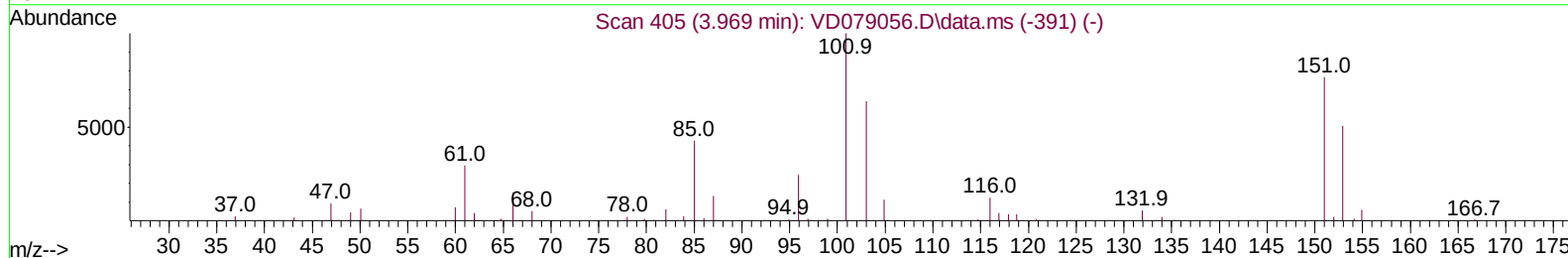
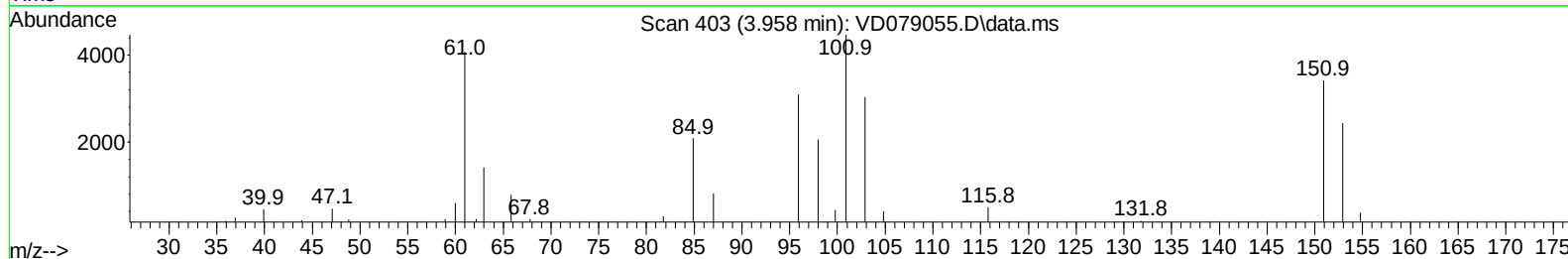
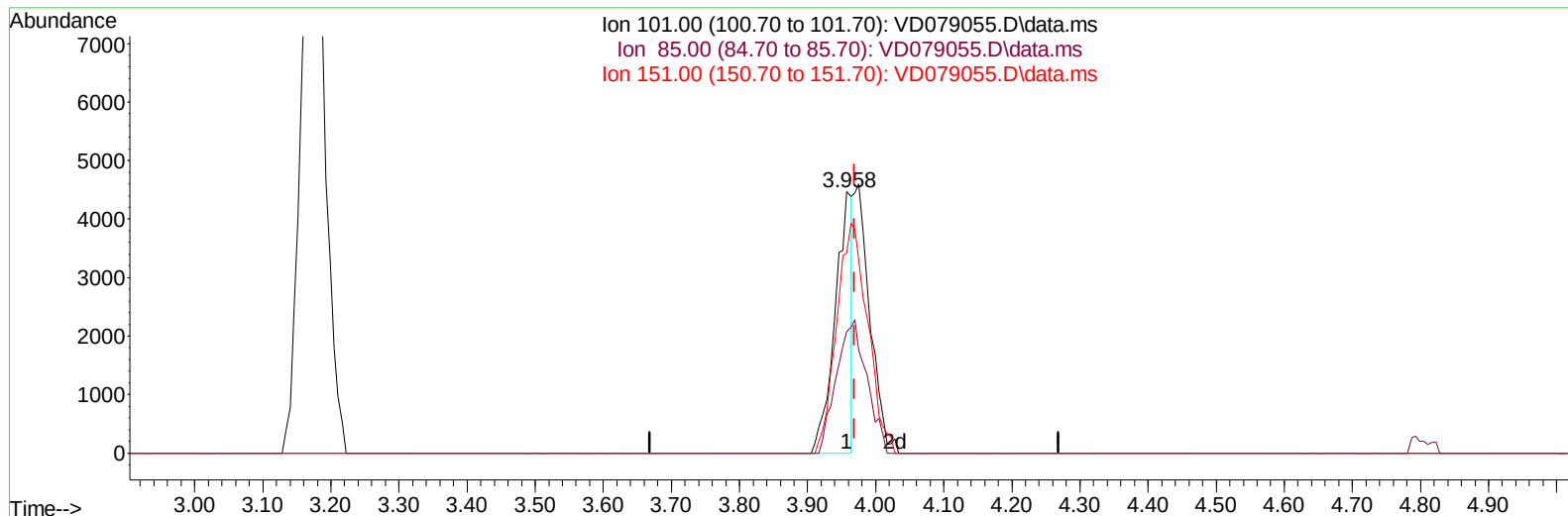
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
Data File : VD079055.D
Acq On : 29 May 2024 09:54
Operator : RP/MD
Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005802

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 05/31/2024
Supervised By :Semsettin Yesilyurt 05/31/2024

Quant Time: May 30 00:40:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
QLast Update : Thu May 30 00:39:29 2024
Response via : Initial Calibration



TIC: VD079055.D\data.ms

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.958min (-0.012) 2.10 ug/L

response 7653

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	44.20	91.21#
151.00	73.90	161.58#
0.00	0.00	0.00

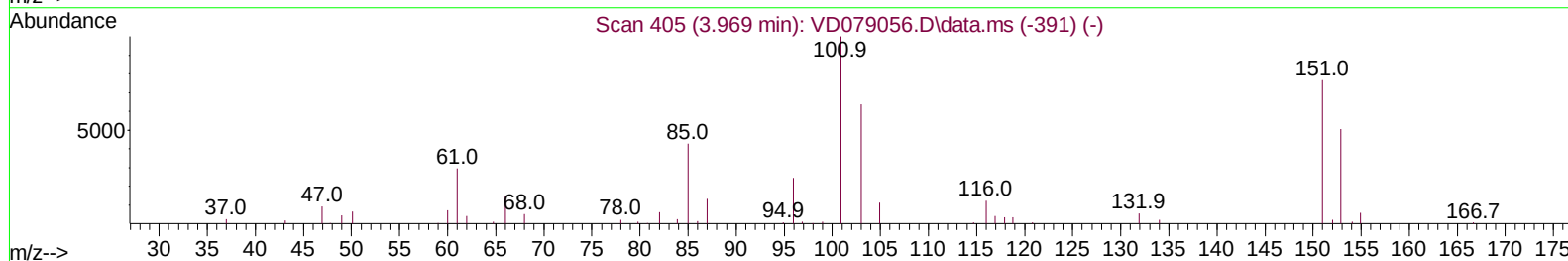
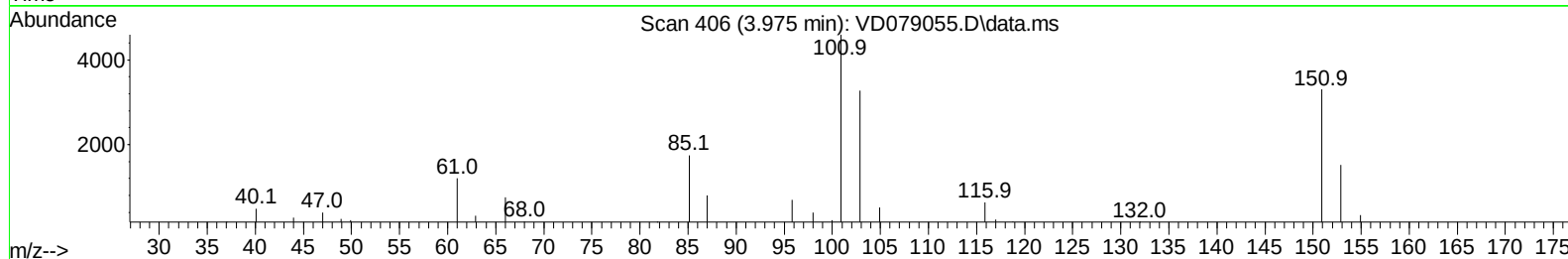
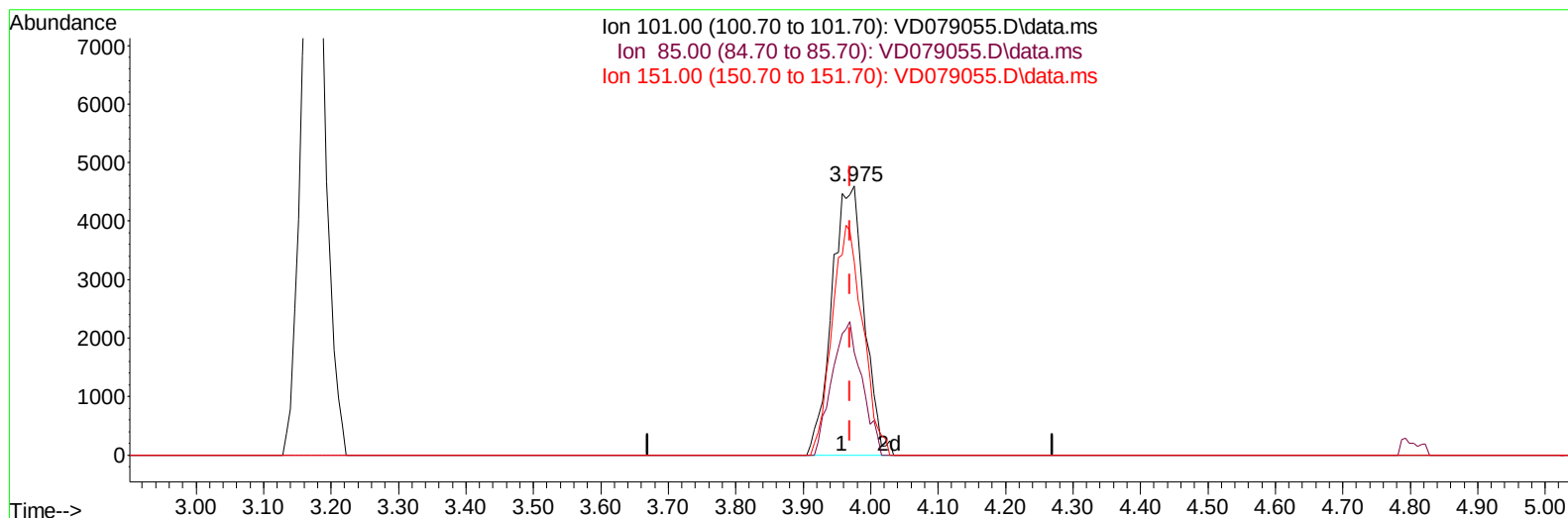
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
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 VSTD005802

Manual IntegrationsAPPROVED

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 Quant Title : SFAM01.0
 QLast Update : Thu May 30 00:39:29 2024
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 05/31/2024
 Supervised By :Semsettin Yesilyurt 05/31/2024



TIC: VD079055.D\data.ms

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.975min (+ 0.006) 4.20 ug/L m

response 15330

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	44.20	45.53
151.00	73.90	80.67
0.00	0.00	0.00

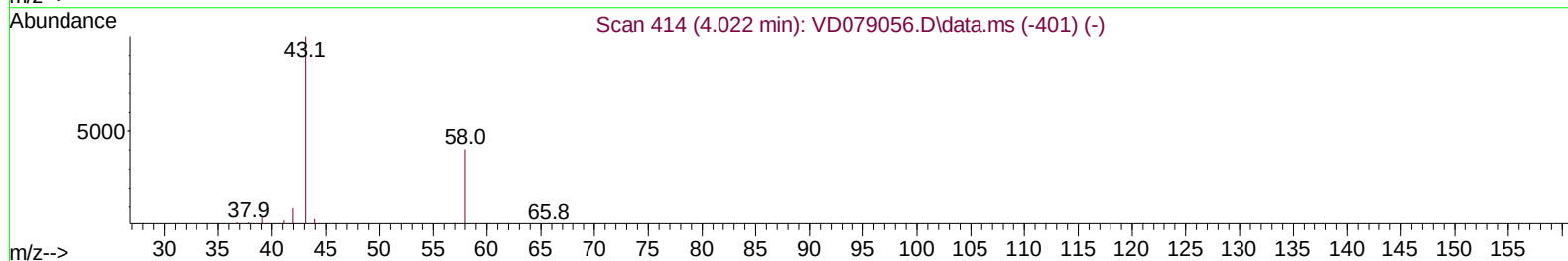
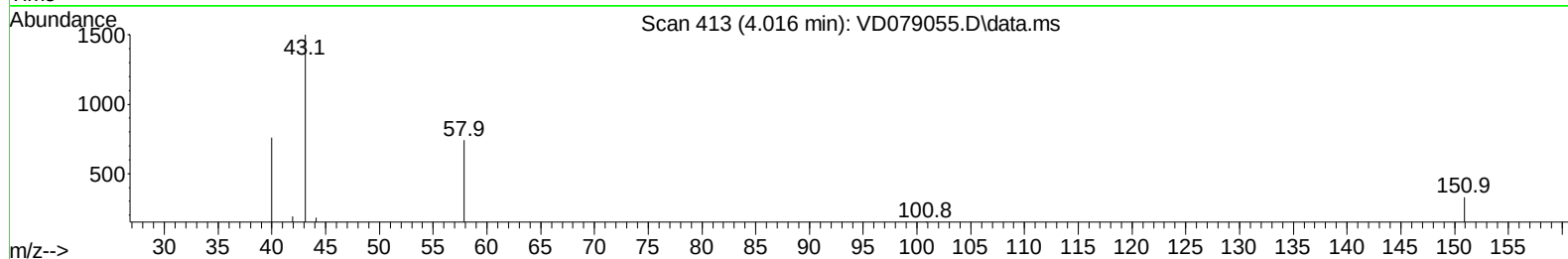
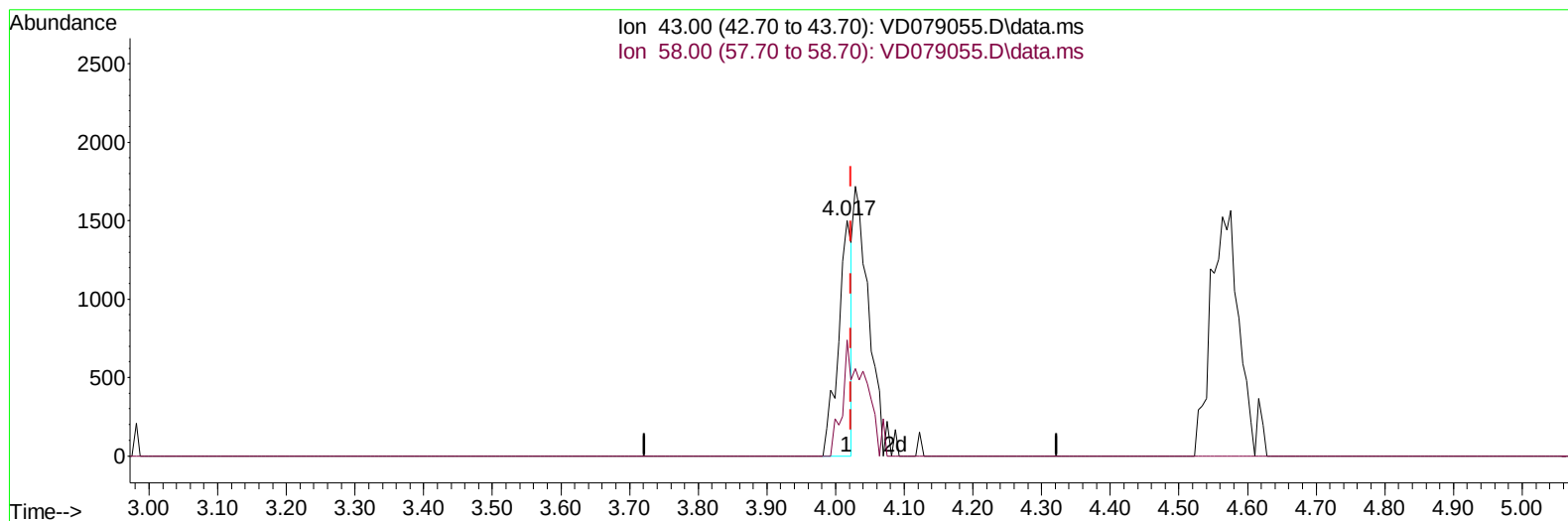
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Data File : VD079055.D
Acq On : 29 May 2024 09:54
Operator : RP/MD
Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005802

Manual IntegrationsAPPROVED

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Quant Time: May 30 00:40:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
QLast Update : Thu May 30 00:39:29 2024
Response via : Initial Calibration



TIC: VD079055.D\data.ms

(13) Acetone (T)

4.016min (-0.006) 2.63 ug/L

response 2045

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	39.10	15.45
0.00	0.00	0.00
0.00	0.00	0.00

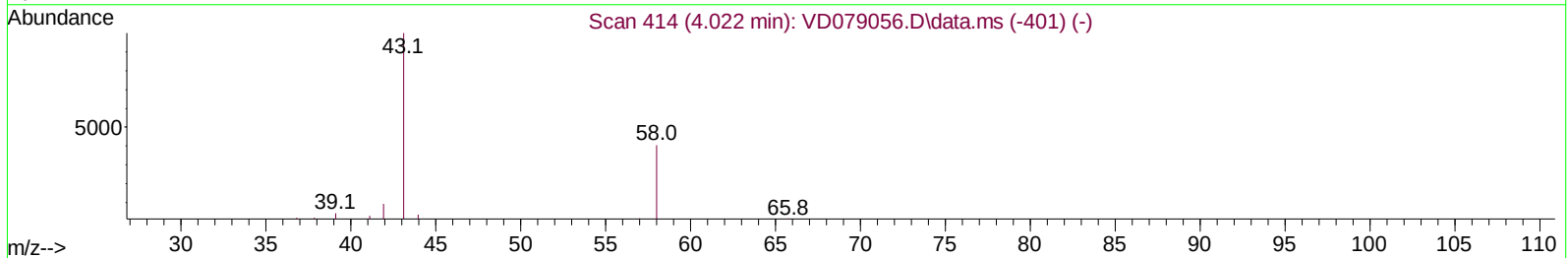
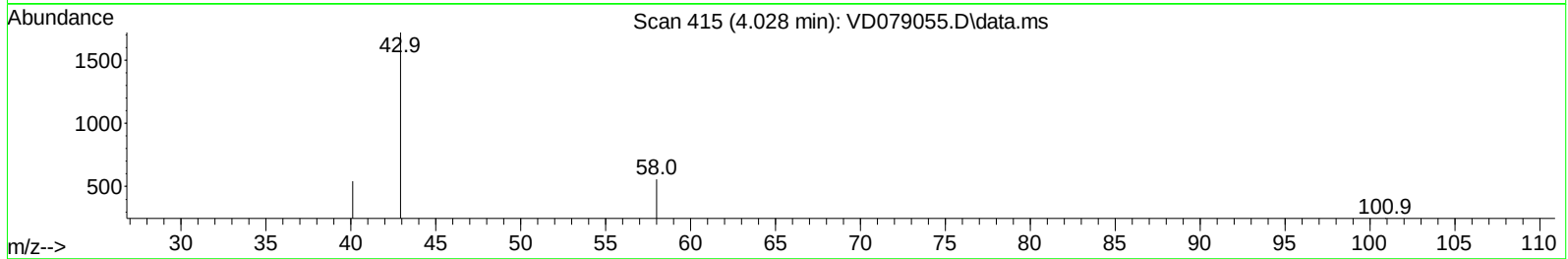
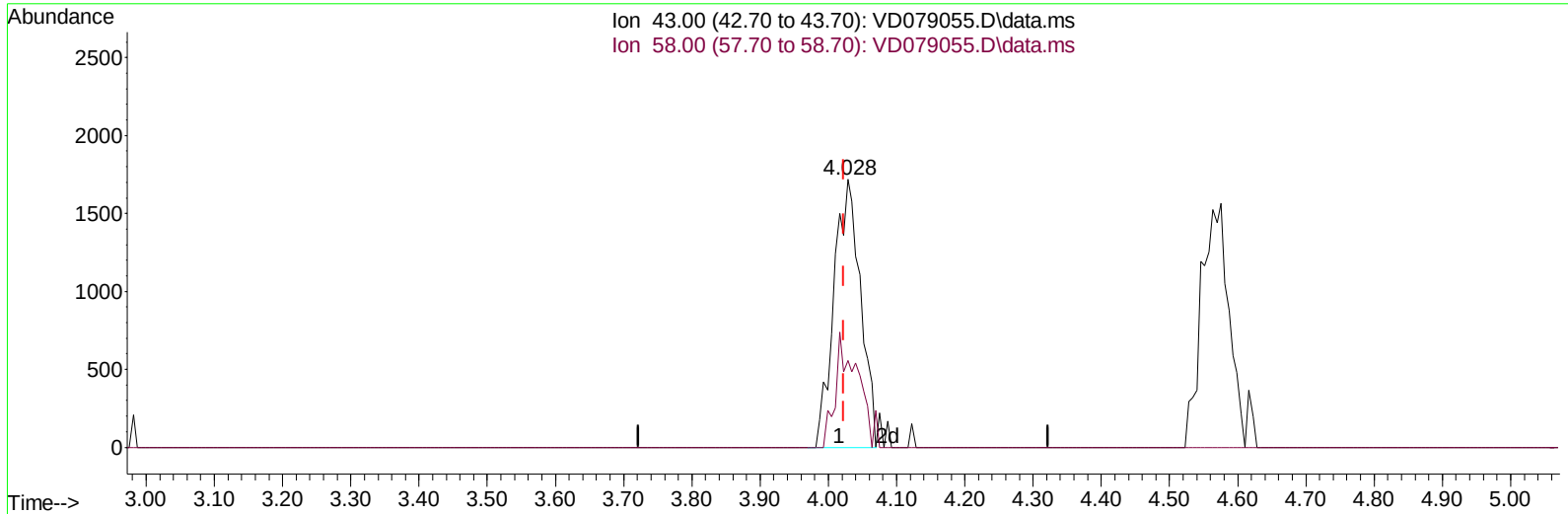
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Data File : VD079055.D
Acq On : 29 May 2024 09:54
Operator : RP/MD
Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005802

Manual IntegrationsAPPROVED

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Quant Time: May 30 00:40:31 2024
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Quant Title : SFAM01.0
QLast Update : Thu May 30 00:39:29 2024
Response via : Initial Calibration



TIC: VD079055.D\data.ms

(13) Acetone (T)

4.028min (+ 0.006) 5.93 ug/L m

response 4613

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	39.10	6.85
0.00	0.00	0.00
0.00	0.00	0.00

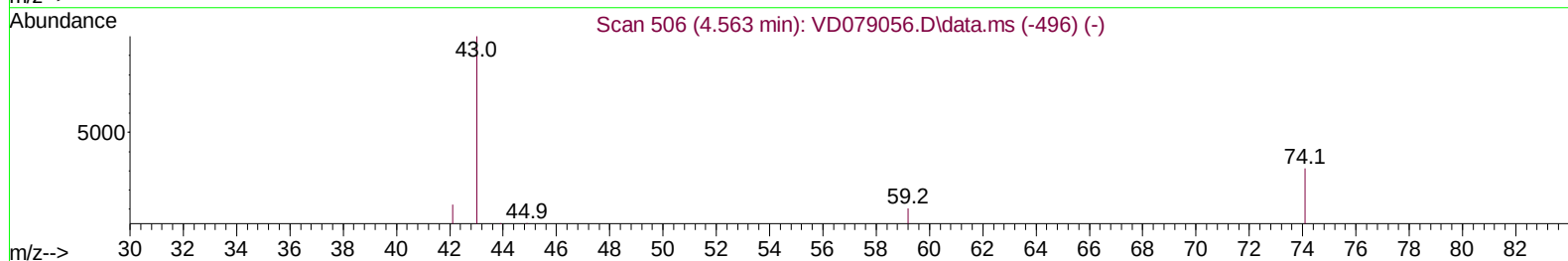
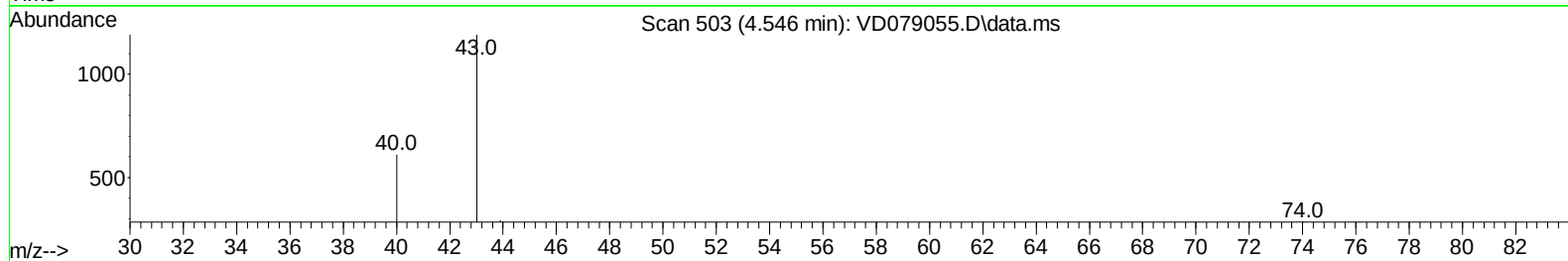
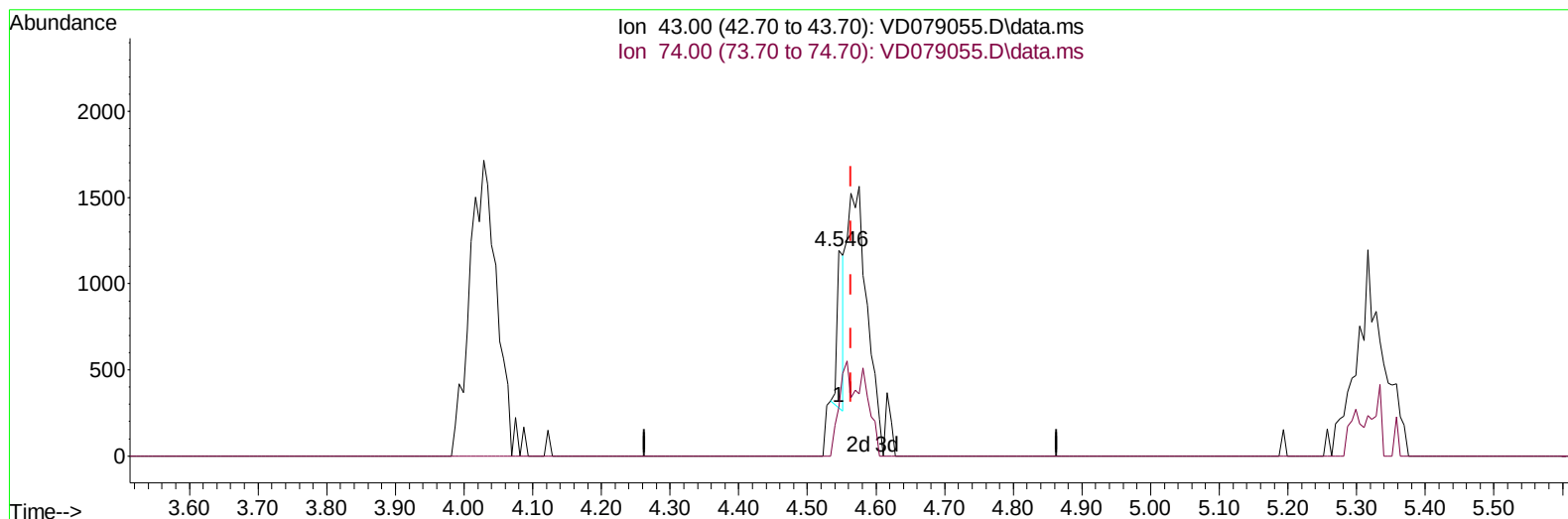
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Data File : VD079055.D
Acq On : 29 May 2024 09:54
Operator : RP/MD
Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005802

Manual IntegrationsAPPROVED

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Quant Title : SFAM01.0
QLast Update : Thu May 30 00:39:29 2024
Response via : Initial Calibration



TIC: VD079055.D\data.ms

(15) Methyl Acetate (T)

4.546min (-0.017) 0.54 ug/L

response 654

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	29.70	98.78#
0.00	0.00	0.00
0.00	0.00	0.00

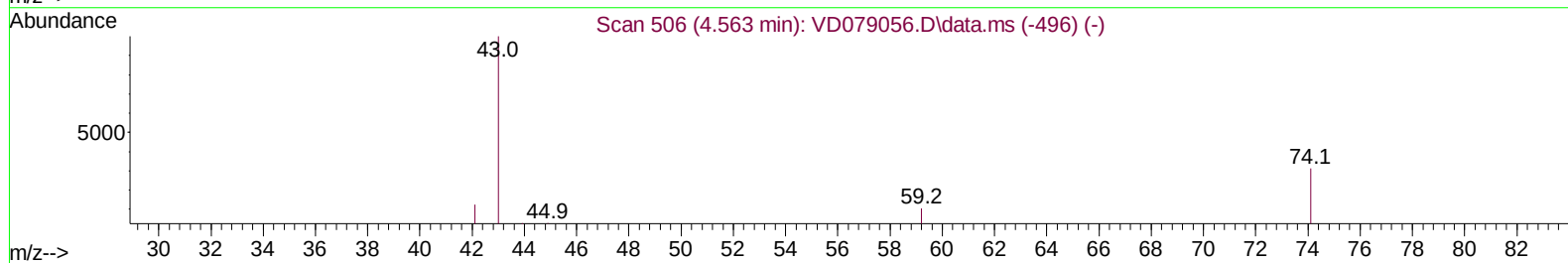
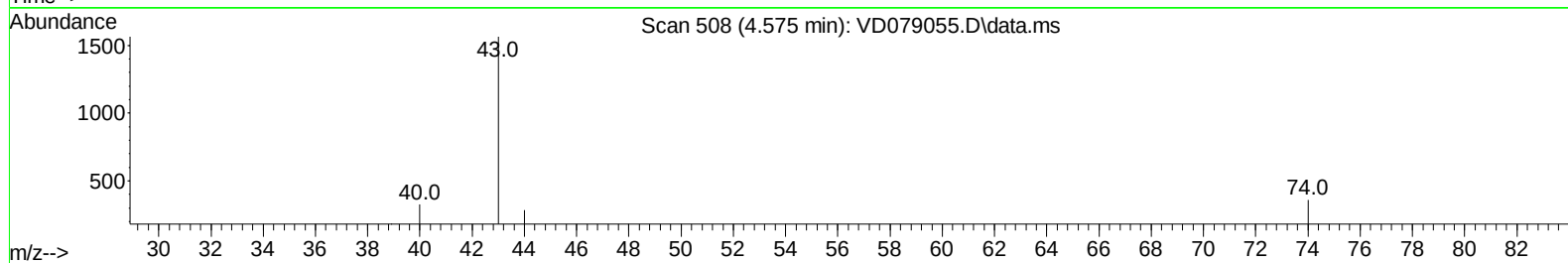
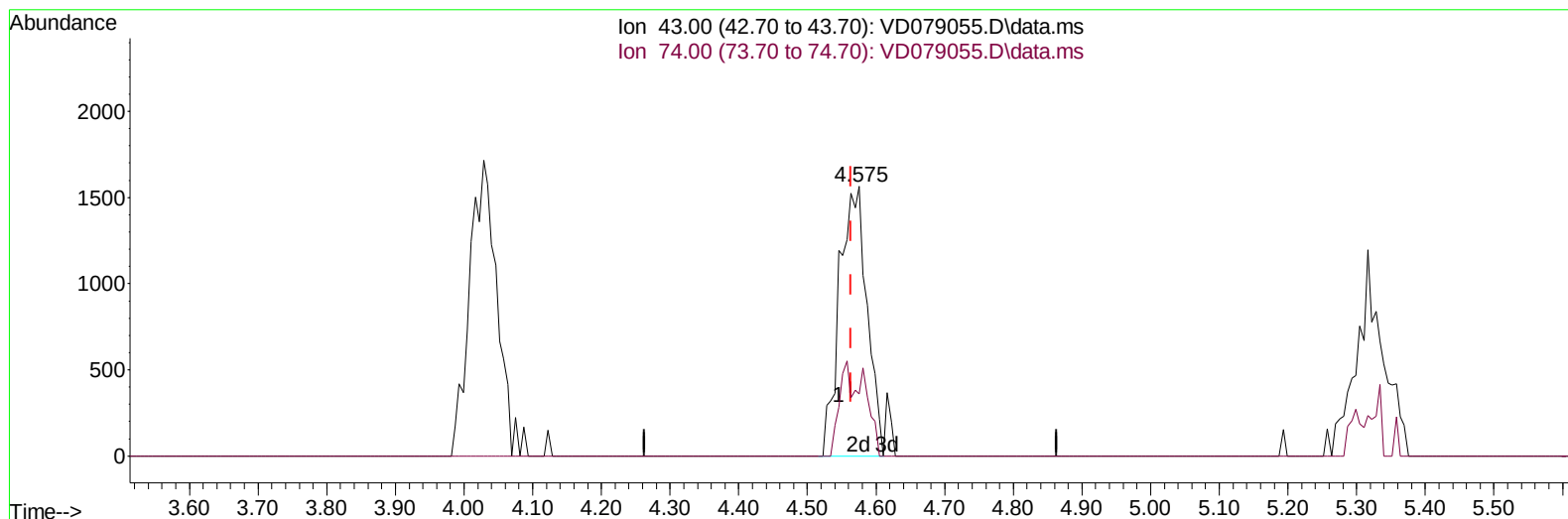
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Data File : VD079055.D
Acq On : 29 May 2024 09:54
Operator : RP/MD
Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005802

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 05/31/2024
Supervised By :Semsettin Yesilyurt 05/31/2024

Quant Time: May 30 00:40:31 2024
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Quant Title : SFAM01.0
QLast Update : Thu May 30 00:39:29 2024
Response via : Initial Calibration



TIC: VD079055.D\data.ms

(15) Methyl Acetate (T)

4.575min (+ 0.012) 3.60 ug/L m

response 4350

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	29.70	14.85#
0.00	0.00	0.00
0.00	0.00	0.00

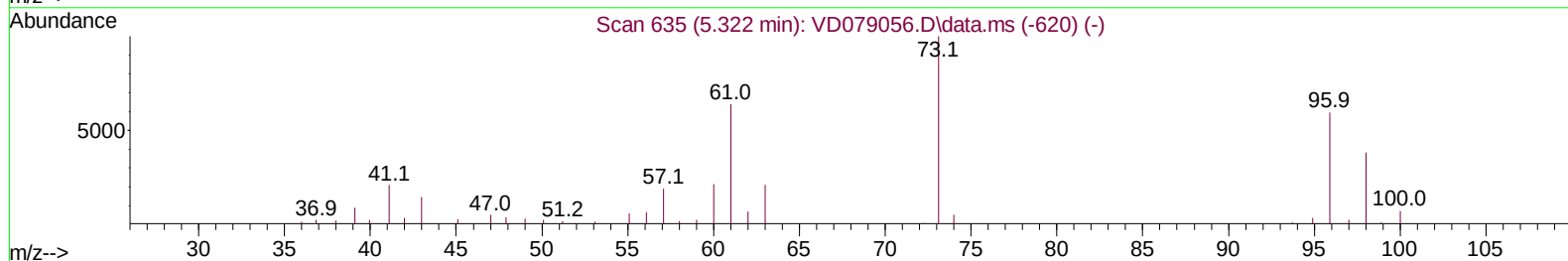
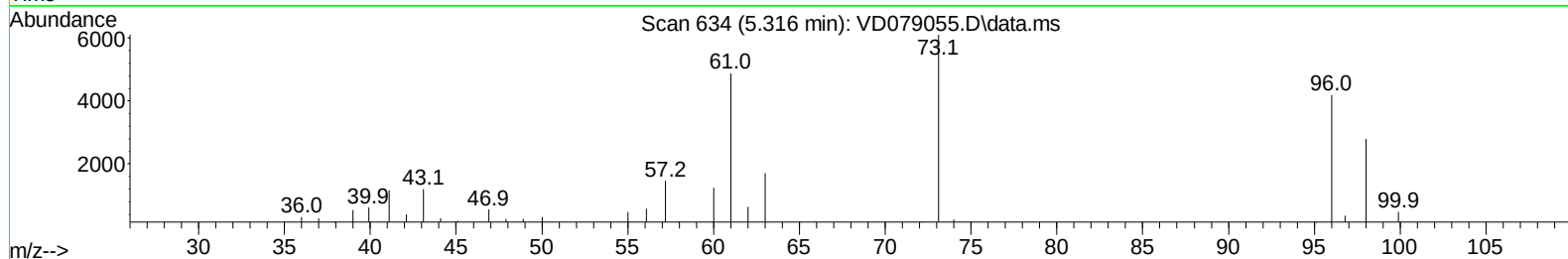
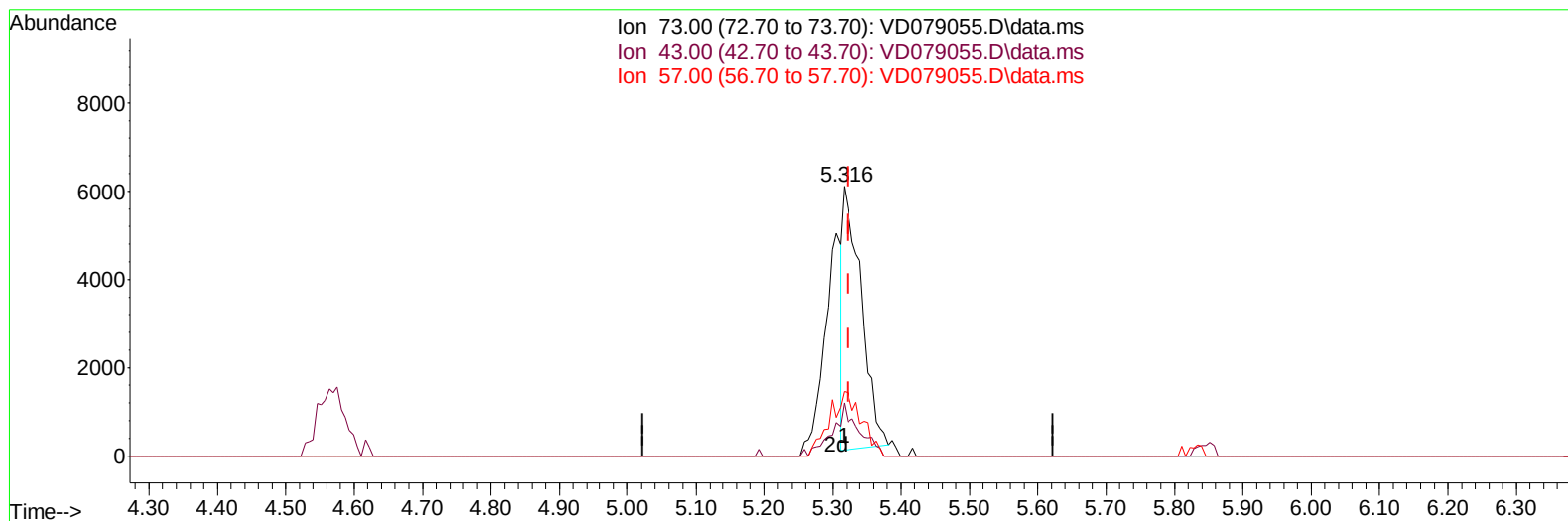
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
Data File : VD079055.D
Acq On : 29 May 2024 09:54
Operator : RP/MD
Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005802

Manual IntegrationsAPPROVED

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Reviewed By :Mahesh Dadoda 05/31/2024
Supervised By :Semsettin Yesilyurt 05/31/2024



TIC: VD079055.D\data.ms

(18) Methyl tert-butyl Ether (T)

5.316min (-0.006) 1.69 ug/L

response 11312

Ion	Exp%	Act%
73.00	100.00	100.00
43.00	15.00	17.98
57.00	12.00	18.84#
0.00	0.00	0.00

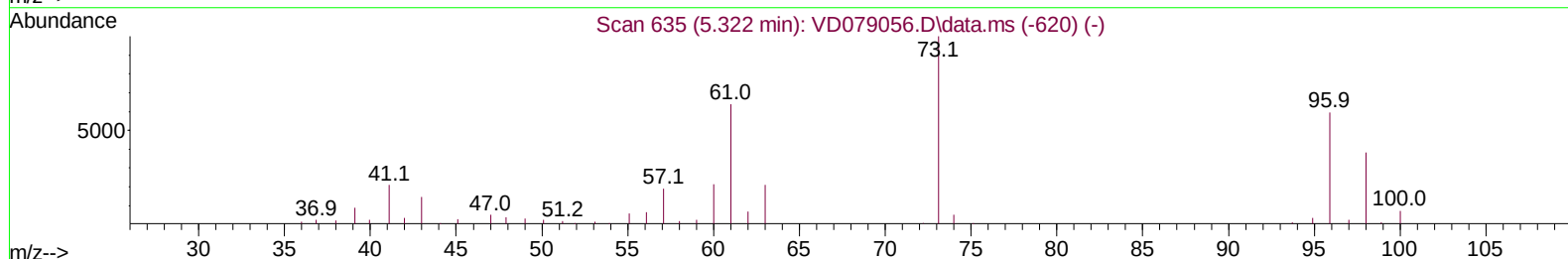
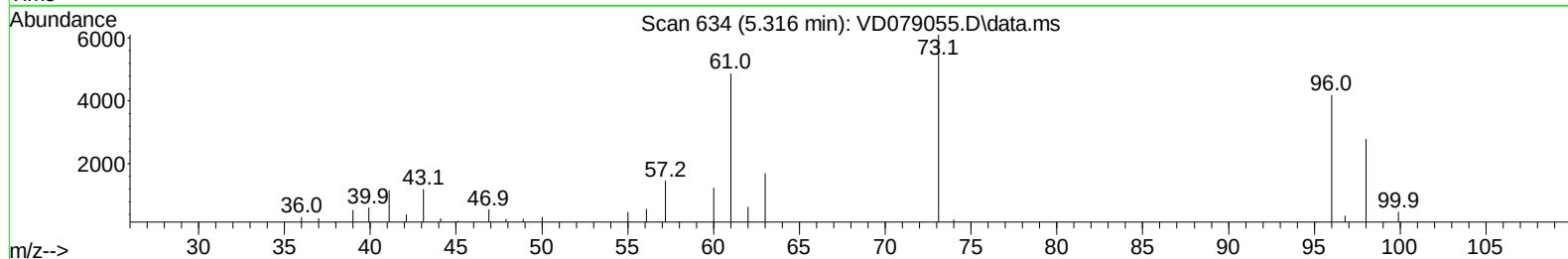
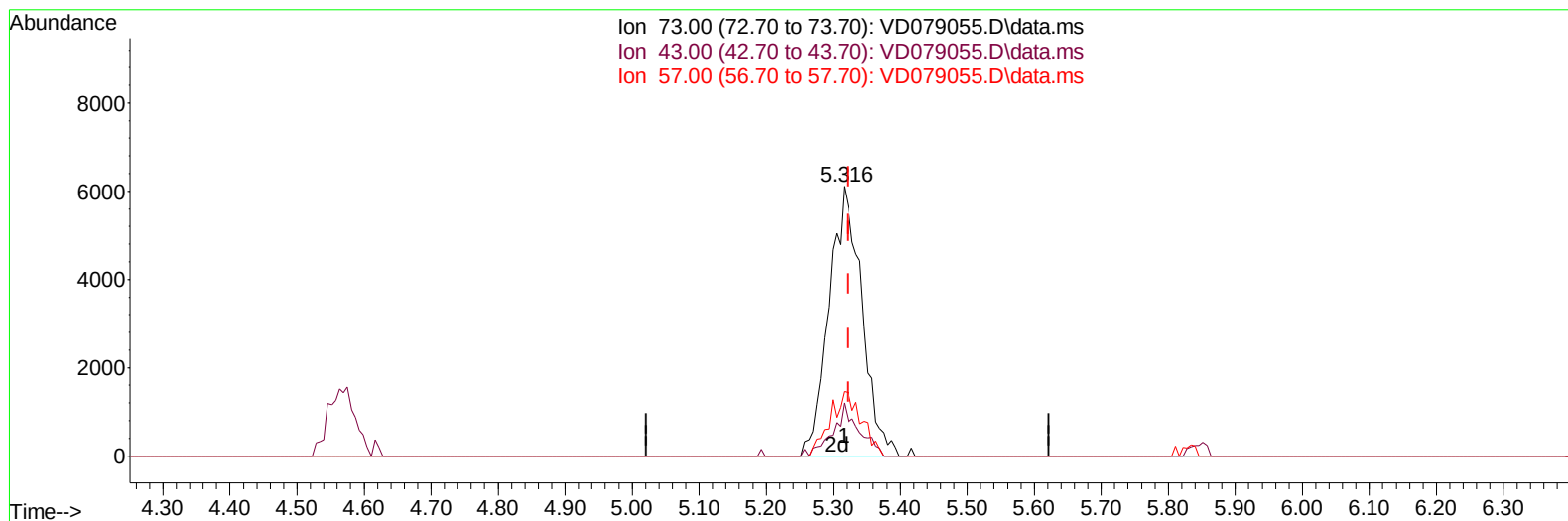
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
Data File : VD079055.D
Acq On : 29 May 2024 09:54
Operator : RP/MD
Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005802

Manual IntegrationsAPPROVED

Quant Time: May 30 00:40:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
QLast Update : Thu May 30 00:39:29 2024
Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 05/31/2024
Supervised By :Semsettin Yesilyurt 05/31/2024



TIC: VD079055.D\data.ms

(18) Methyl tert-butyl Ether (T)

5.316min (-0.006) 3.13 ug/L m

response 21028

Ion	Exp%	Act%
73.00	100.00	100.00
43.00	15.00	9.67#
57.00	12.00	10.13
0.00	0.00	0.00

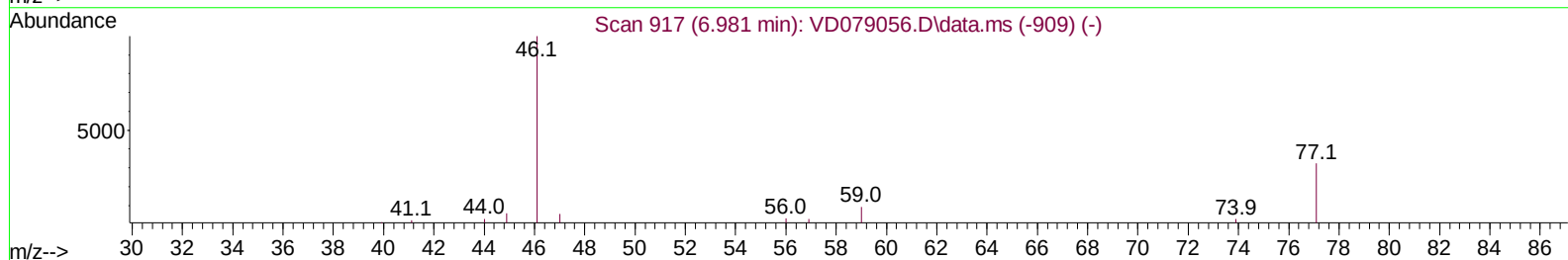
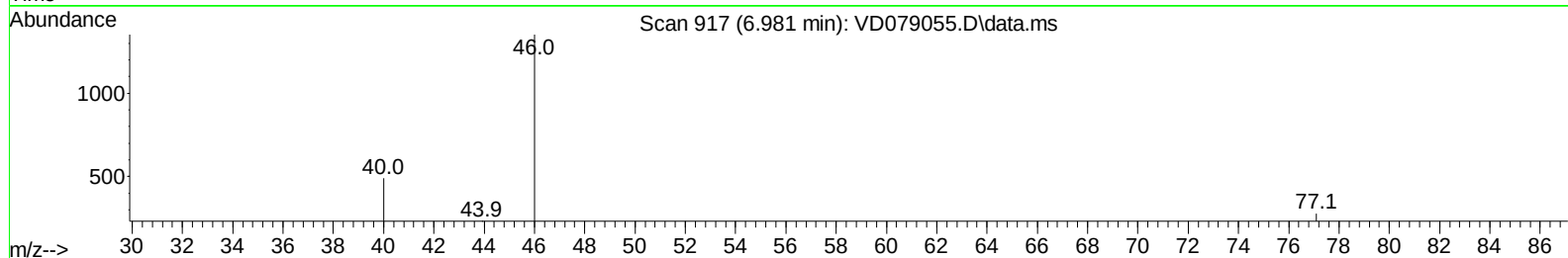
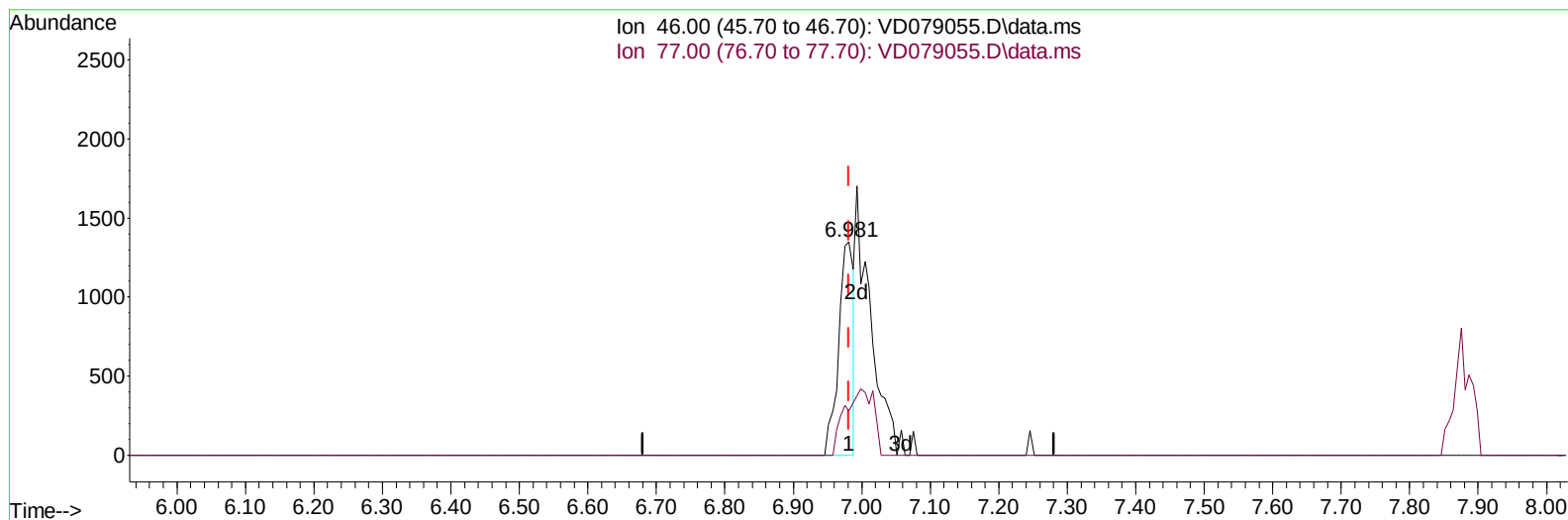
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Data File : VD079055.D
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Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005802

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Quant Title : SFAM01.0
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Response via : Initial Calibration



TIC: VD079055.D\data.ms

(21) 2-Butanone-d5 (S)

6.981min (+ 0.000) 3.24 ug/L

response 2008

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	28.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

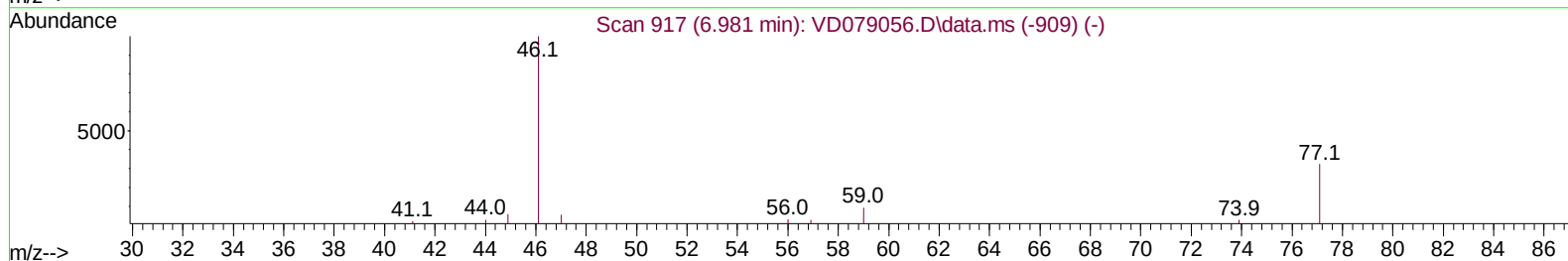
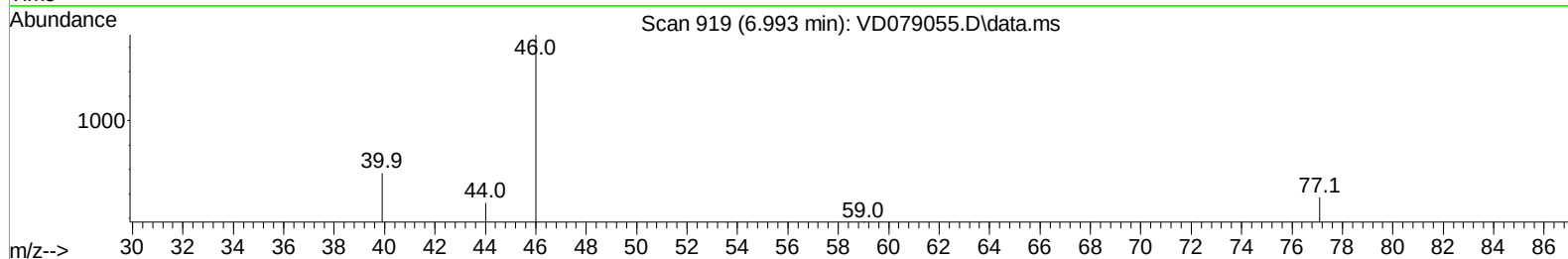
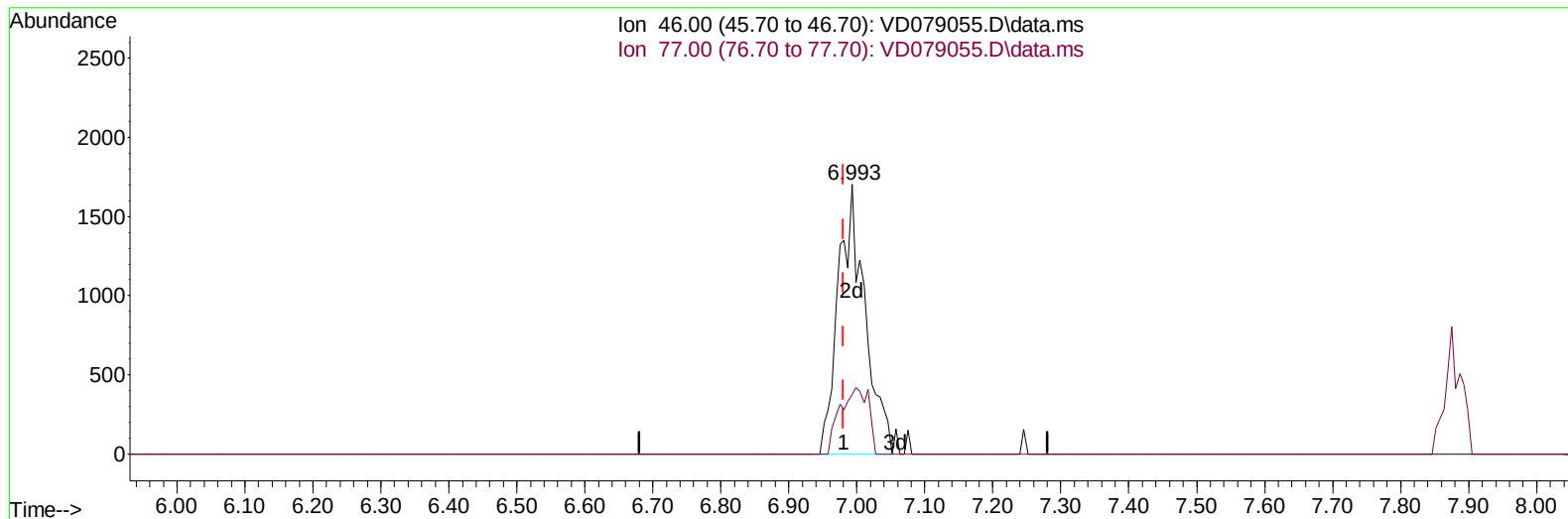
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Acq On : 29 May 2024 09:54
Operator : RP/MD
Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Manual IntegrationsAPPROVED

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Quant Title : SFAM01.0
QLast Update : Thu May 30 00:39:29 2024
Response via : Initial Calibration



TIC: VD079055.D\data.ms

(21) 2-Butanone-d5 (S)

6.993min (+ 0.012) 7.47 ug/L m

response 4632

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	28.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

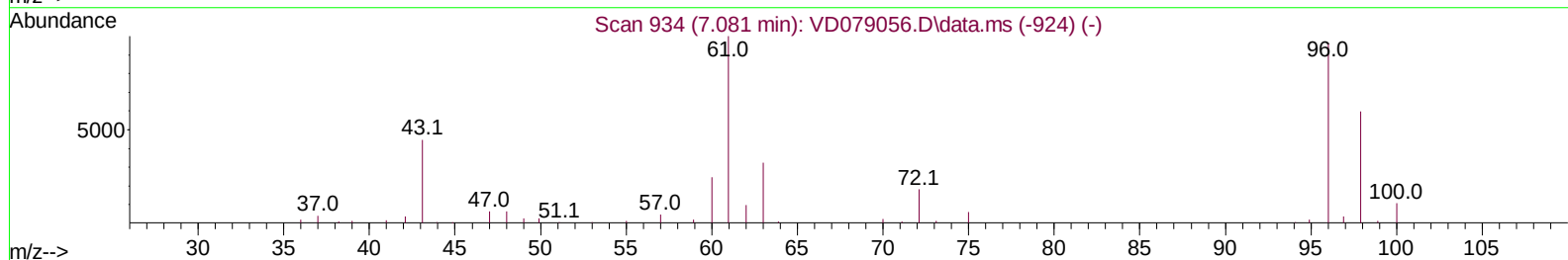
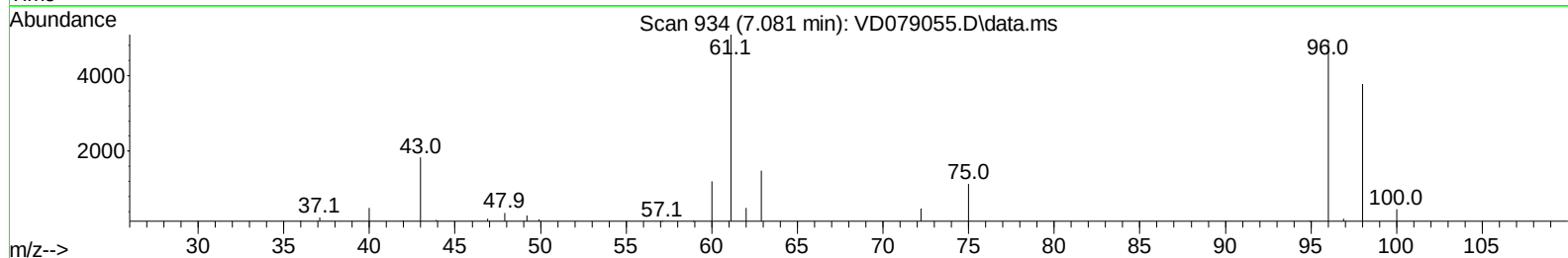
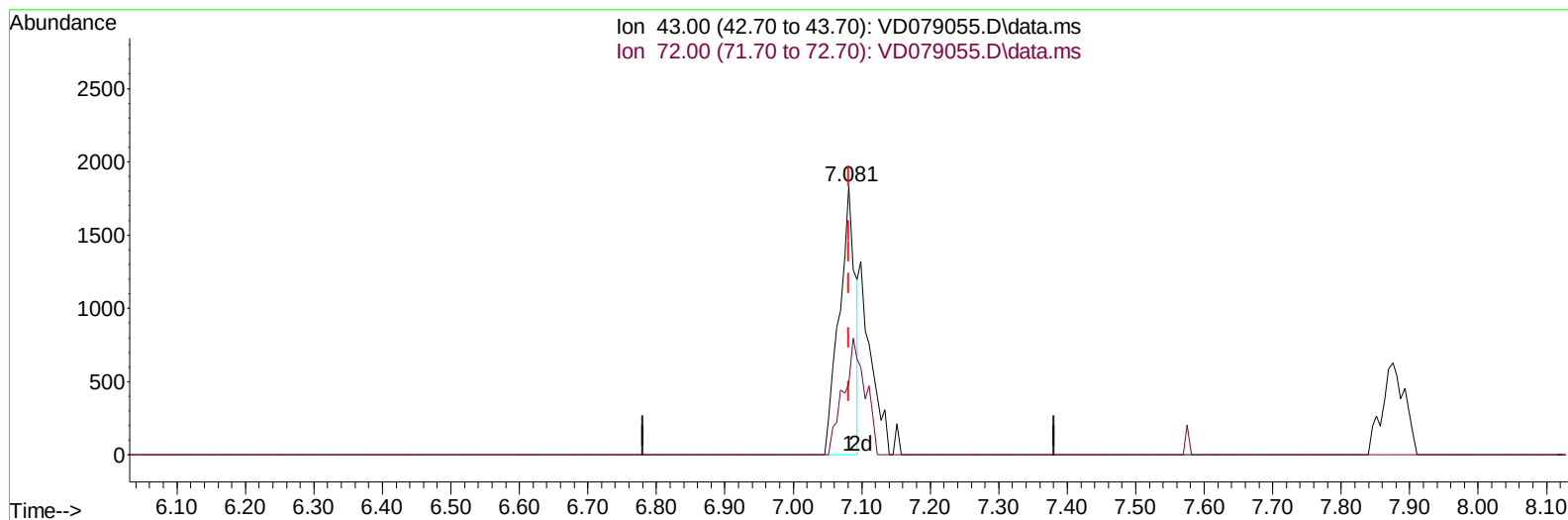
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Data File : VD079055.D
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0
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Response via : Initial Calibration



TIC: VD079055.D\data.ms

(22) 2-Butanone (T)

7.081min (+ 0.000) 3.44 ug/L

response 2954

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	38.50	43.77
0.00	0.00	0.00
0.00	0.00	0.00

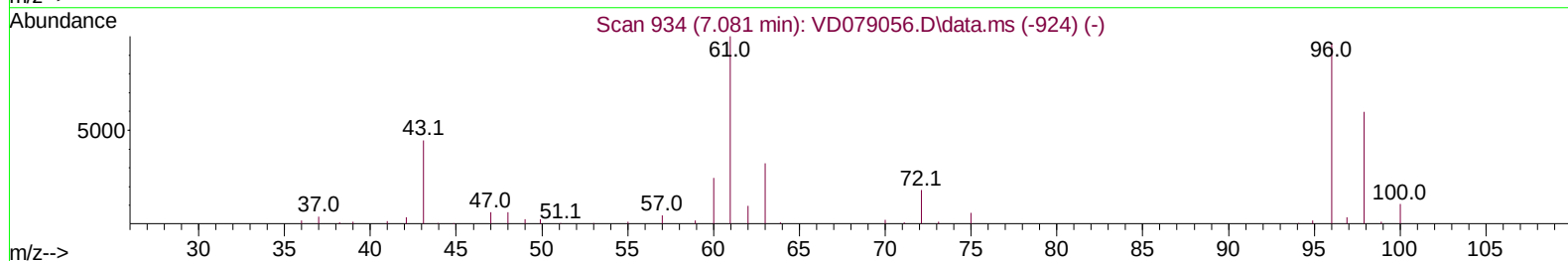
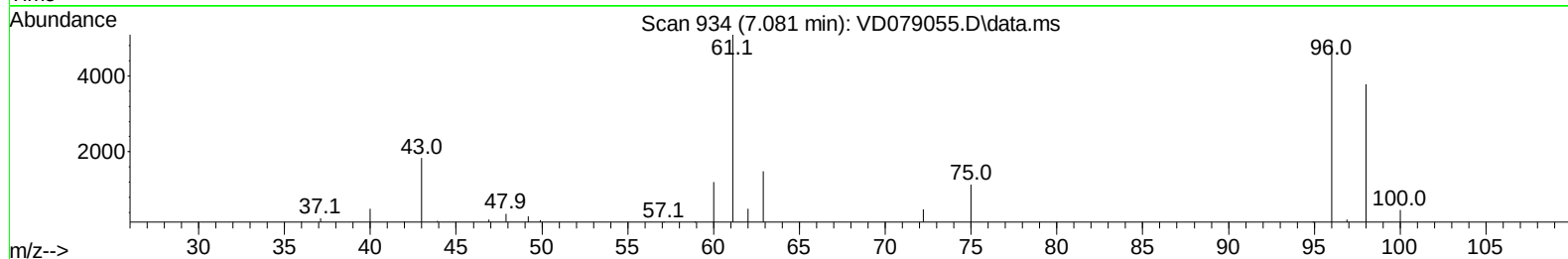
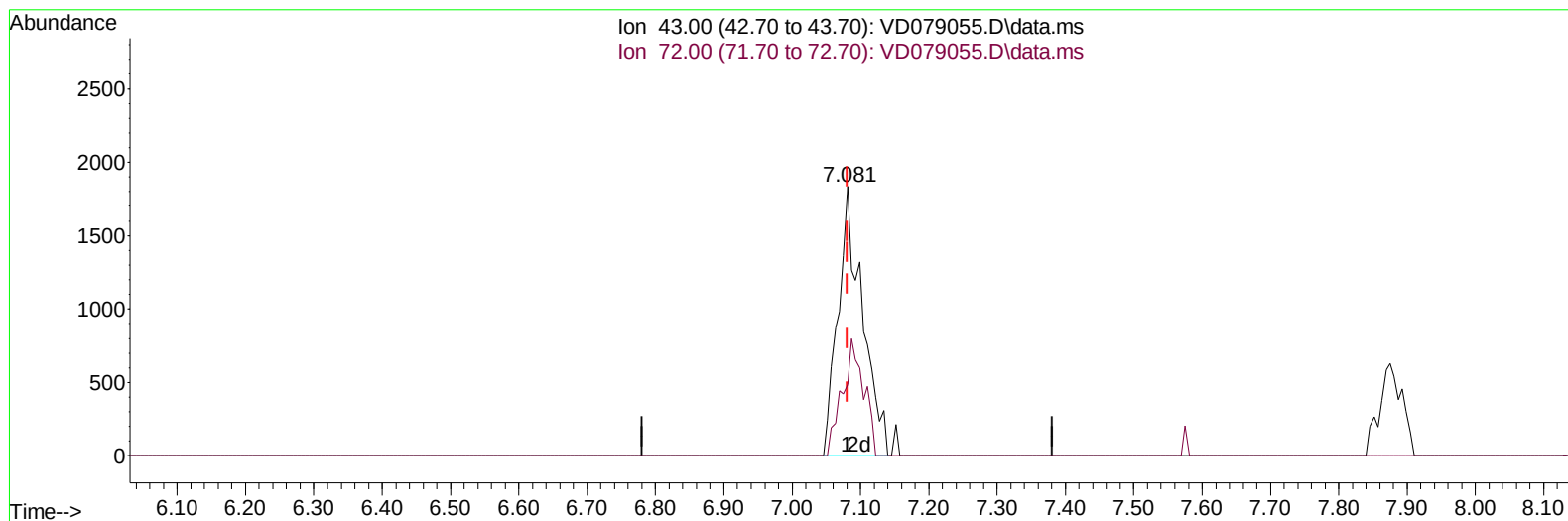
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Data File : VD079055.D
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Operator : RP/MD
Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTD005802

Manual IntegrationsAPPROVED

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Quant Title : SFAM01.0
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Response via : Initial Calibration



TIC: VD079055.D\data.ms

(22) 2-Butanone (T)

7.081min (+ 0.000) 5.27 ug/L m

response 4530

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	38.50	28.54
0.00	0.00	0.00
0.00	0.00	0.00

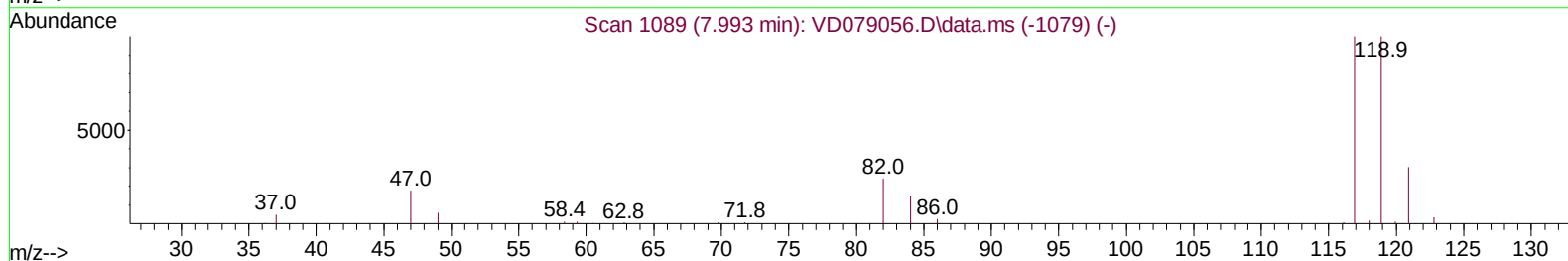
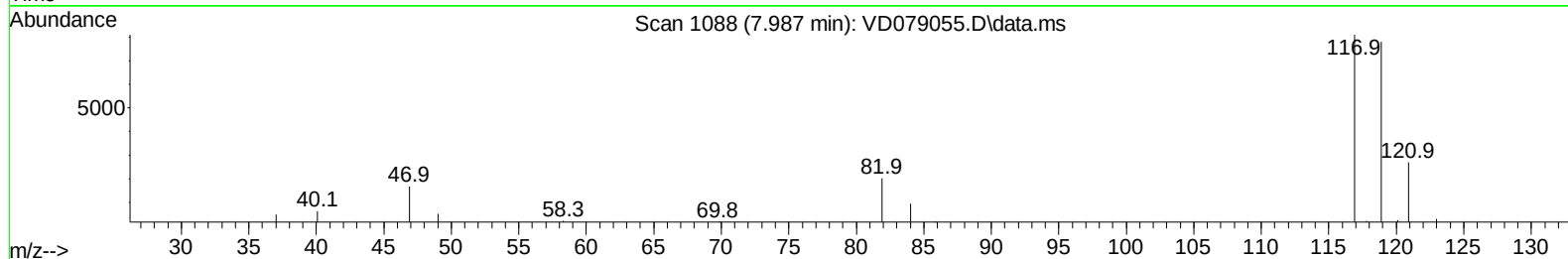
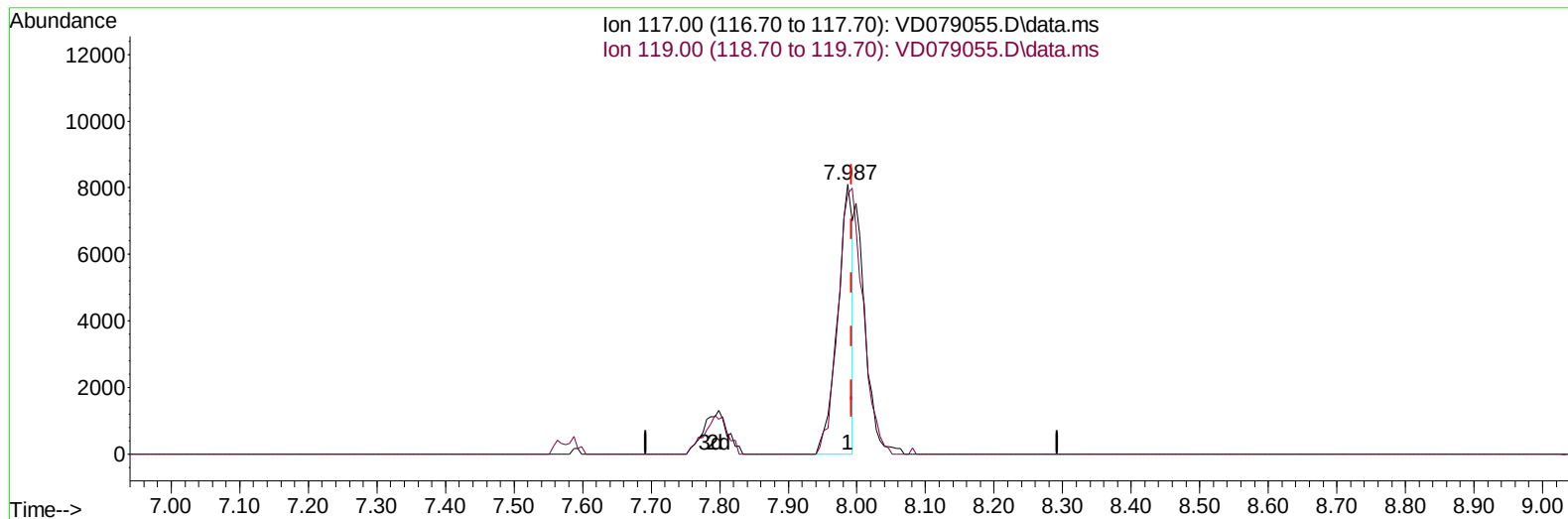
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
Data File : VD079055.D
Acq On : 29 May 2024 09:54
Operator : RP/MD
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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TIC: VD079055.D\data.ms

(31) Carbon tetrachloride (T)

7.987min (-0.006) 2.70 ug/L

response 12344

Ion	Exp%	Act%
117.00	100.00	100.00
119.00	99.50	164.17#
0.00	0.00	0.00
0.00	0.00	0.00

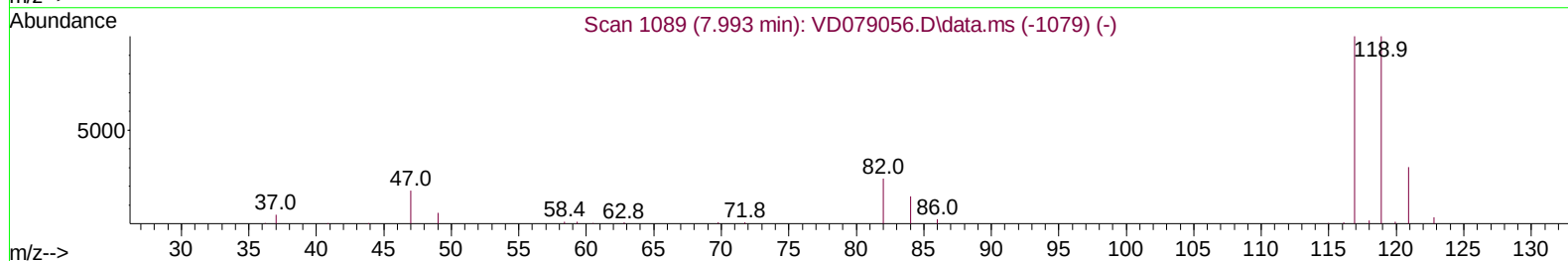
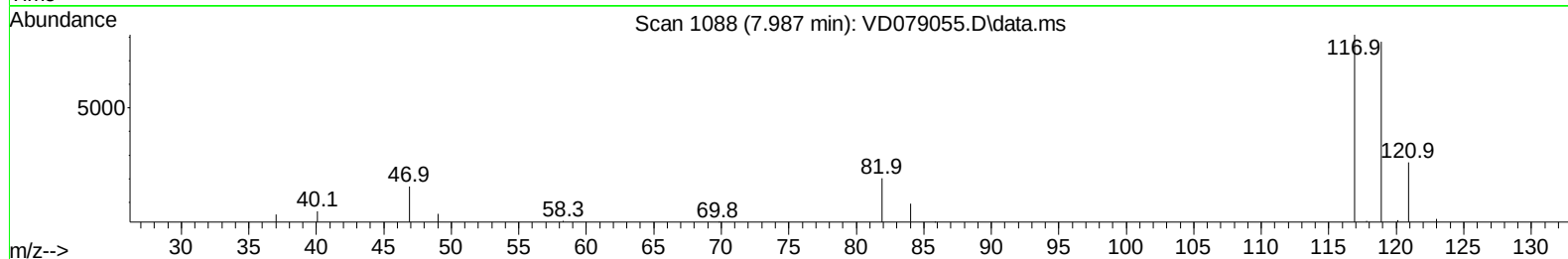
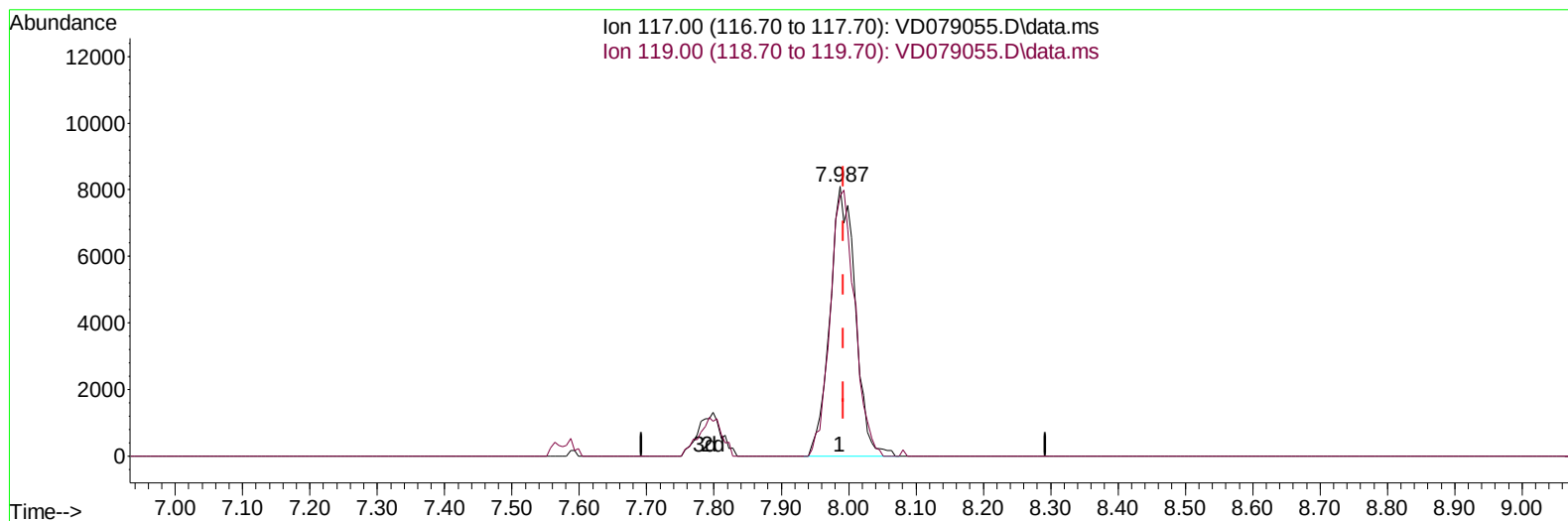
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
Data File : VD079055.D
Acq On : 29 May 2024 09:54
Operator : RP/MD
Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005802

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 05/31/2024
Supervised By :Semsettin Yesilyurt 05/31/2024

Quant Time: May 30 00:40:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
QLast Update : Thu May 30 00:39:29 2024
Response via : Initial Calibration



TIC: VD079055.D\data.ms

(31) Carbon tetrachloride (T)

7.987min (-0.006) 4.61 ug/L m

response 21057

Ion	Exp%	Act%
117.00	100.00	100.00
119.00	99.50	96.24
0.00	0.00	0.00
0.00	0.00	0.00

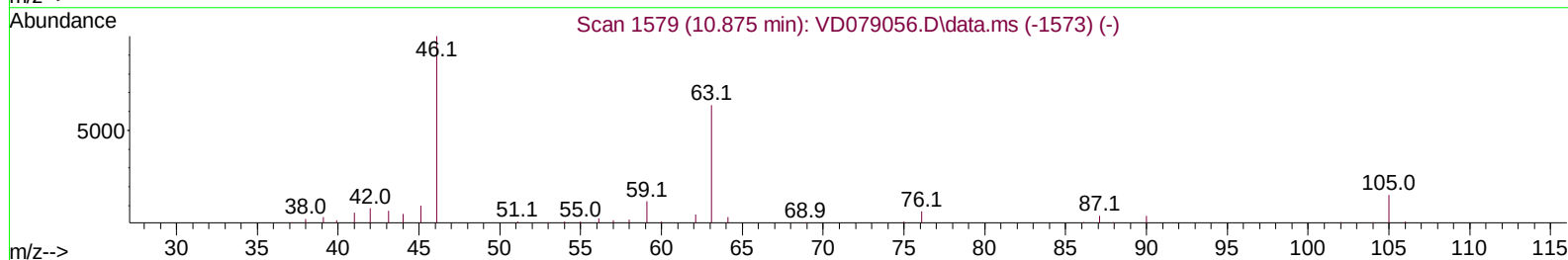
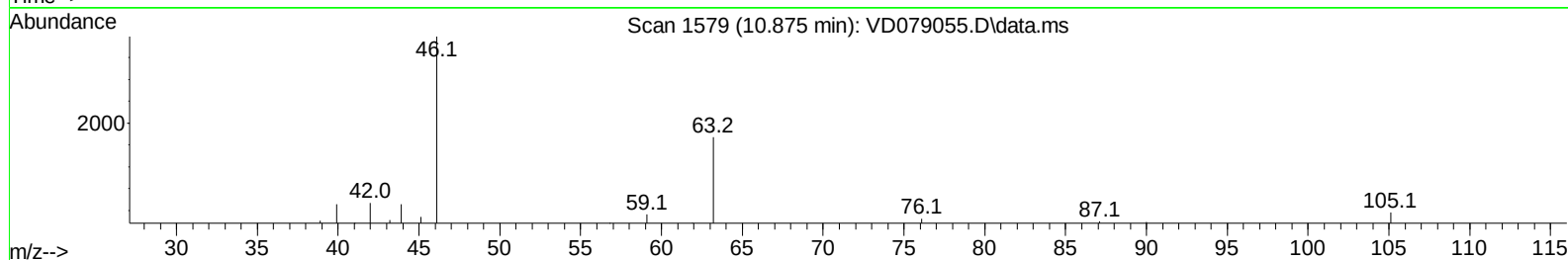
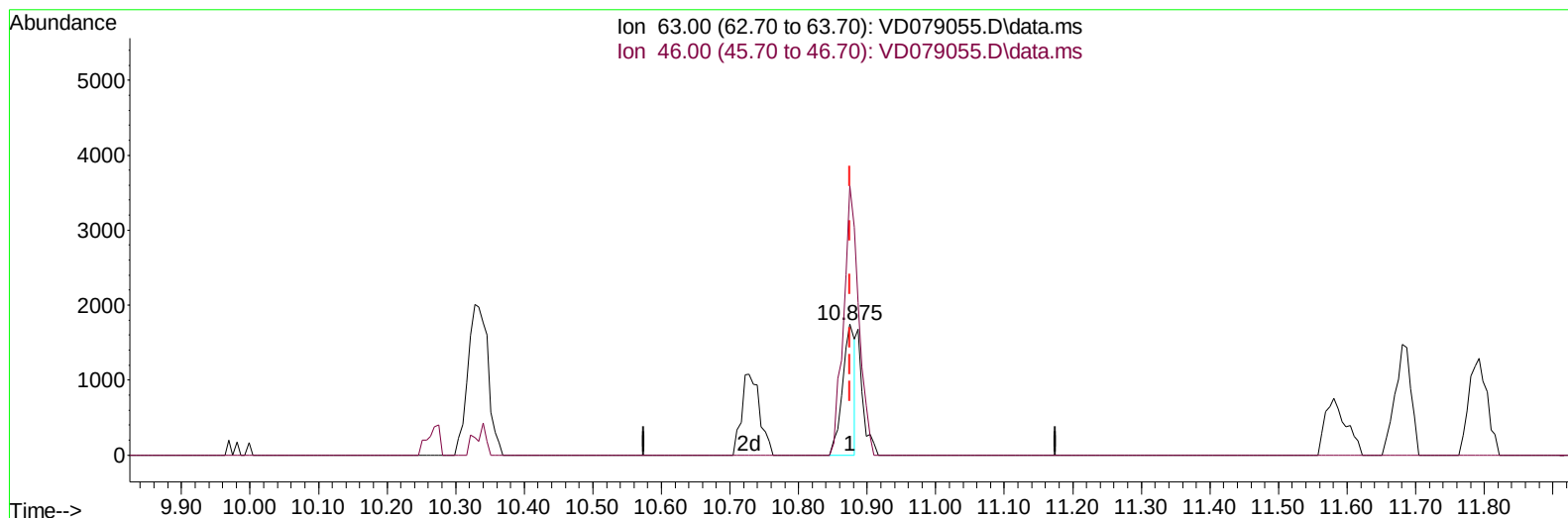
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
Data File : VD079055.D
Acq On : 29 May 2024 09:54
Operator : RP/MD
Sample : VSTD00502
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TIC: VD079055.D\data.ms

(47) 2-Hexanone-d5 (S)

10.875min (+ 0.000) 3.93 ug/L

response 2138

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	151.10	257.44#
0.00	0.00	0.00
0.00	0.00	0.00

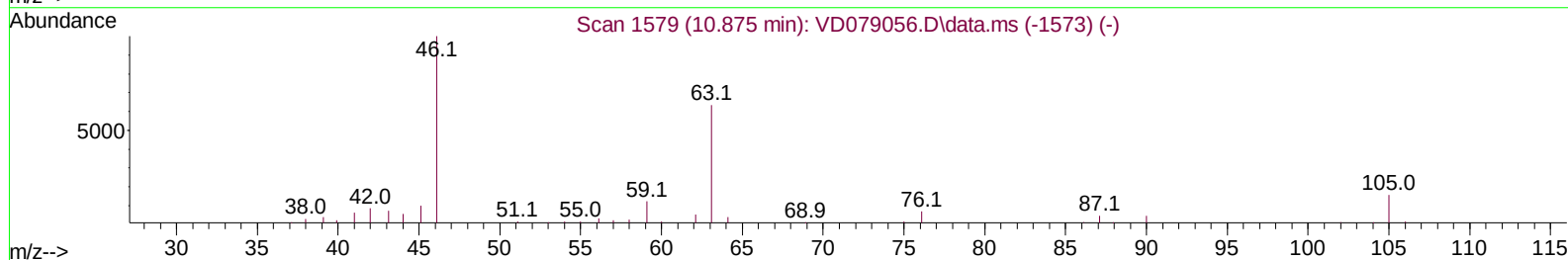
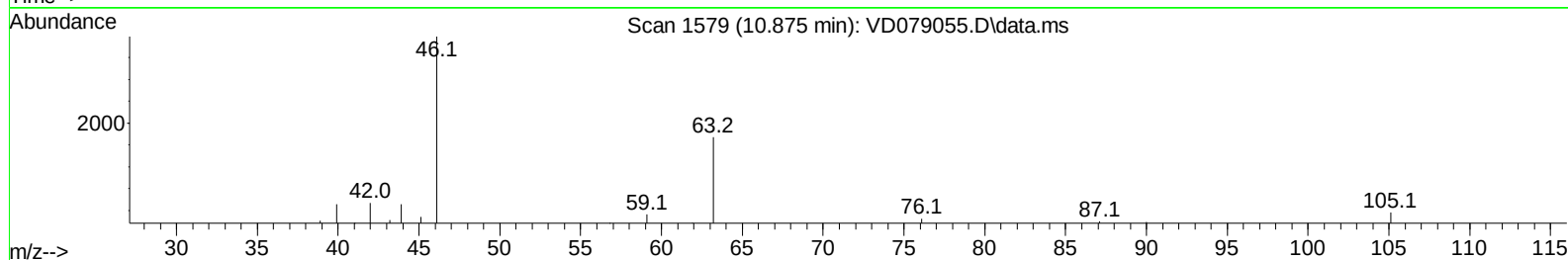
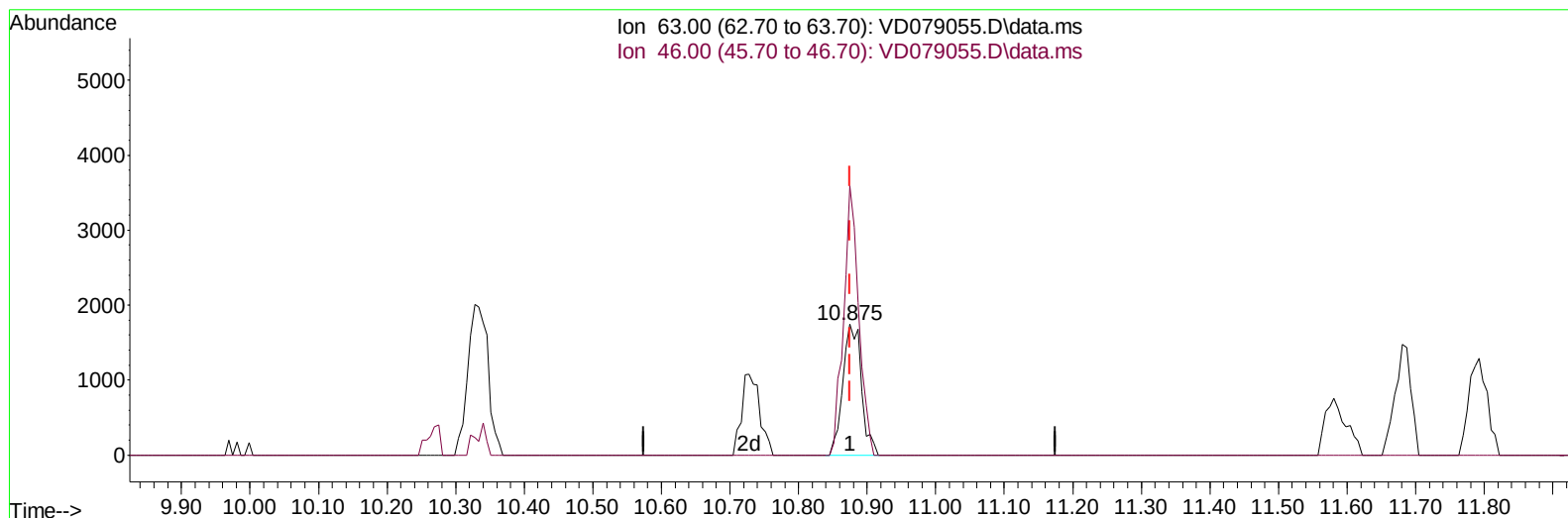
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
 Data File : VD079055.D
 Acq On : 29 May 2024 09:54
 Operator : RP/MD
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: VD079055.D\data.ms

(47) 2-Hexanone-d5 (S)

10.875min (+ 0.000) 6.00 ug/L m

response 3266

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	151.10	168.52
0.00	0.00	0.00
0.00	0.00	0.00

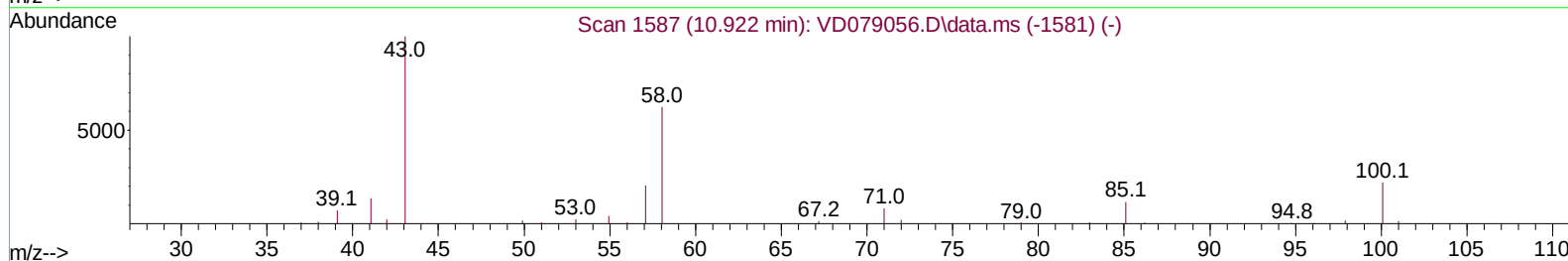
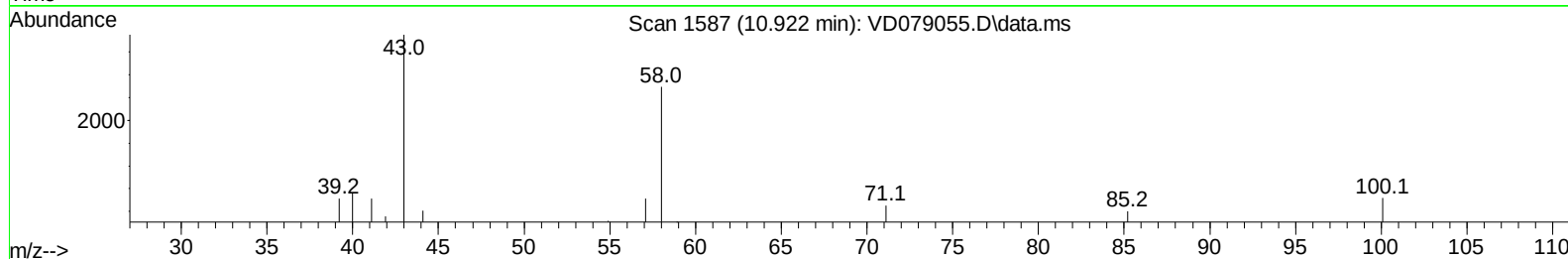
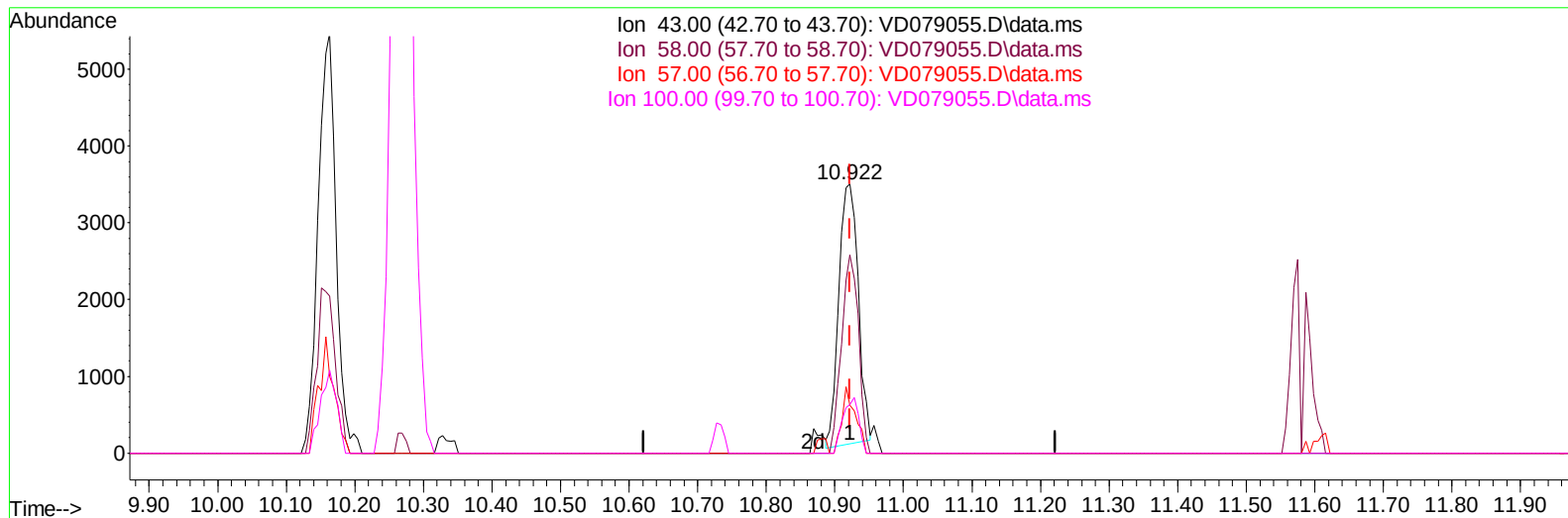
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
Data File : VD079055.D
Acq On : 29 May 2024 09:54
Operator : RP/MD
Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005802

Manual IntegrationsAPPROVED

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
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Reviewed By :Mahesh Dadoda 05/31/2024
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TIC: VD079055.D\data.ms

(48) 2-Hexanone (T)

10.922min (+ 0.000) 5.45 ug/L

response 6618

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	62.60	66.91
57.00	20.60	17.69
100.00	19.00	17.51

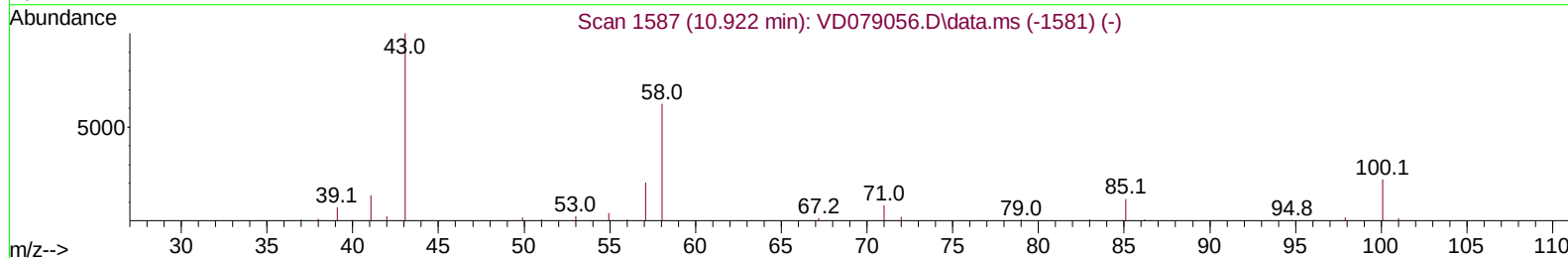
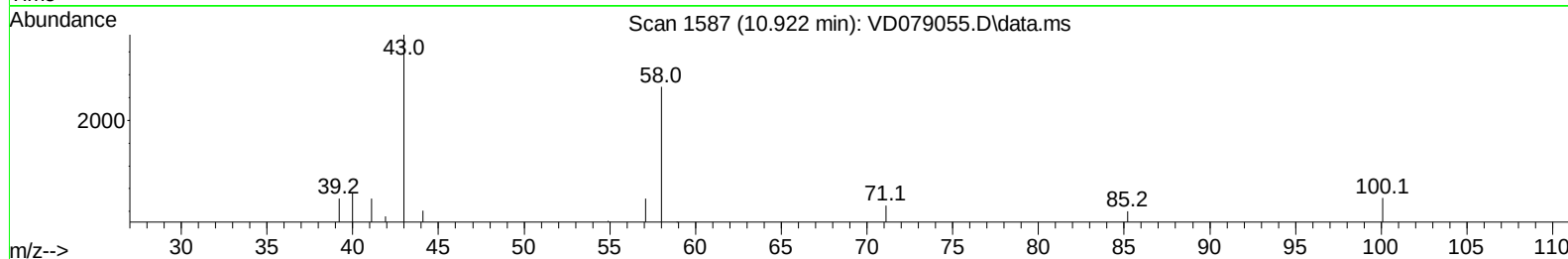
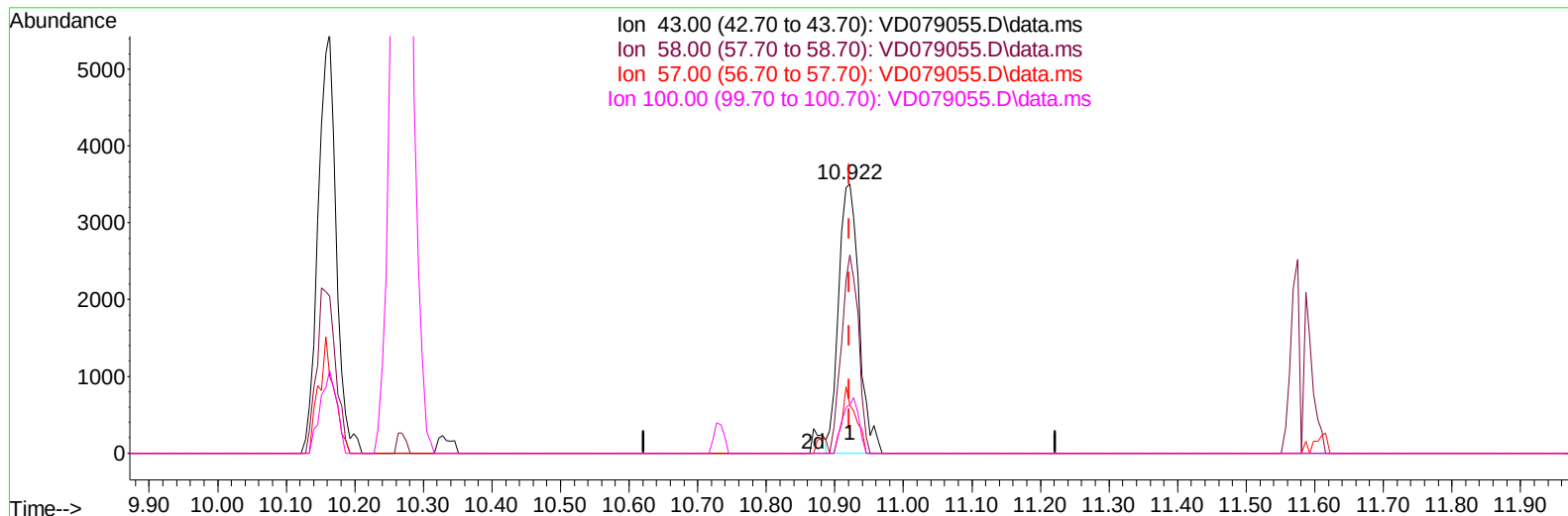
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
Data File : VD079055.D
Acq On : 29 May 2024 09:54
Operator : RP/MD
Sample : VSTD00502
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Manual IntegrationsAPPROVED

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Quant Title : SFAM01.0
QLast Update : Thu May 30 00:39:29 2024
Response via : Initial Calibration



TIC: VD079055.D\data.ms

(48) 2-Hexanone (T)

10.922min (+ 0.000) 5.96 ug/L m

response 7238

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	62.60	61.18
57.00	20.60	16.18#
100.00	19.00	16.01

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
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 Sample : VSTD00502
 Misc : 5.00G/10mL/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005802

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	185670	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	181440	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	87498	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	29721	6.077	ug/L	0.00
7) Chloroethane-d5	2.799	69	30347	5.964	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	65	4632	4.939	ug/L	0.00
21) 2-Butanone-d5	6.993	46	4632m	7.468	ug/L	0.01
24) Chloroform-d	7.569	84	27880	4.970	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	12217	4.624	ug/L	0.00
32) Benzene-d6	8.205	84	51536	5.364	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.204	67	15580	5.385	ug/L	0.00
41) Toluene-d8	10.263	98	45878	5.110	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	6667	5.032	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	3266m	5.997	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.657	84	13390	4.248	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	15593	5.118	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	15996	4.357	ug/L	99
3) Chloromethane	2.146	50	20952	4.577	ug/L	91
5) Vinyl chloride	2.281	62	33995	4.539	ug/L	98
6) Bromomethane	2.687	94	26862	4.893	ug/L	96
8) Chloroethane	2.834	64	25539	4.472	ug/L	93
9) Trichlorofluoromethane	3.175	101	25616	4.267	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	15330m	4.202	ug/L	
12) 1,1-Dichloroethene	3.940	96	12731	3.977	ug/L	85
13) Acetone	4.028	43	4613m	5.932	ug/L	
14) Carbon disulfide	4.269	76	46098	4.752	ug/L	99
15) Methyl Acetate	4.575	43	4350m	3.597	ug/L	
16) Methylene chloride	4.793	84	17177	3.977	ug/L	91
17) trans-1,2-Dichloroethene	5.311	96	13479	4.126	ug/L	95
18) Methyl tert-butyl Ether	5.316	73	21028m	3.133	ug/L	
19) 1,1-Dichloroethane	6.111	63	23401	4.367	ug/L	92
20) cis-1,2-Dichloroethene	7.081	96	12885	3.539	ug/L	93
22) 2-Butanone	7.081	43	4530m	5.271	ug/L	
23) Bromochloromethane	7.434	128	7067	3.874	ug/L	93
25) Chloroform	7.599	83	26437	4.121	ug/L	95
27) 1,2-Dichloroethane	8.328	62	14794	3.971	ug/L #	88
29) Cyclohexane	7.875	56	14688	4.139	ug/L	96
30) 1,1,1-Trichloroethane	7.799	97	23398	4.725	ug/L	96
31) Carbon tetrachloride	7.987	117	21057m	4.614	ug/L	
33) Benzene	8.246	78	51975	4.212	ug/L	100
34) Trichloroethene	9.028	95	13819	4.339	ug/L	93
35) Methylcyclohexane	9.275	83	20839	4.233	ug/L	95
37) 1,2-Dichloropropane	9.299	63	14148	4.573	ug/L #	94
38) Bromodichloromethane	9.581	83	19285	4.446	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	18706	3.859	ug/L	94
40) 4-Methyl-2-pentanone	10.163	43	9915	6.492	ug/L	97
42) Toluene	10.334	91	55664	4.082	ug/L	94

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Manual IntegrationsAPPROVED

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 Supervised By :Semsettin Yesilyurt 05/31/2024

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.551	75	15778	3.694	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	12287	4.406	ug/L	92
46) Tetrachloroethene	10.810	164	11826	4.267	ug/L	91
48) 2-Hexanone	10.922	43	7238m	5.963	ug/L	
49) Dibromochloromethane	11.069	129	13326	3.920	ug/L	85
50) 1,2-Dibromoethane	11.175	107	10546	3.963	ug/L #	96
51) Chlorobenzene	11.604	112	38885	4.087	ug/L	96
52) Ethylbenzene	11.681	91	55194	3.786	ug/L	97
53) m,p-Xylene	11.787	106	21142	3.621	ug/L	93
54) o-Xylene	12.116	106	20248	3.551	ug/L	84
55) Styrene	12.134	104	34659	3.482	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.675	83	12613	3.748	ug/L	98
59) Bromoform	12.298	173	8298	4.283	ug/L	92
60) Isopropylbenzene	12.416	105	52658	4.079	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	8179	4.164	ug/L #	92
62) 1,3,5-Trimethylbenzene	12.904	105	33136	3.529	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	34458	3.567	ug/L	96
64) 1,3-Dichlorobenzene	13.457	146	27195	4.353	ug/L	96
65) 1,4-Dichlorobenzene	13.534	146	28928	4.303	ug/L	95
67) 1,2-Dichlorobenzene	13.828	146	24783	4.204	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	1706	4.205	ug/L	93
69) 1,3,5-Trichlorobenzene	14.592	180	16826	4.151	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	13776	4.021	ug/L	99
71) Naphthalene	15.328	128	23128	3.358	ug/L	99
72) 1,2,3-Trichlorobenzene	15.516	180	11526	3.641	ug/L	97

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

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