

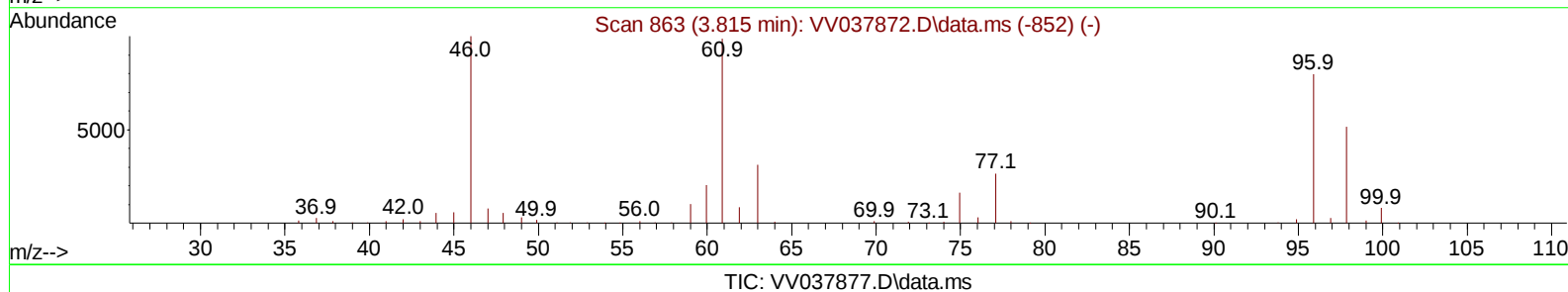
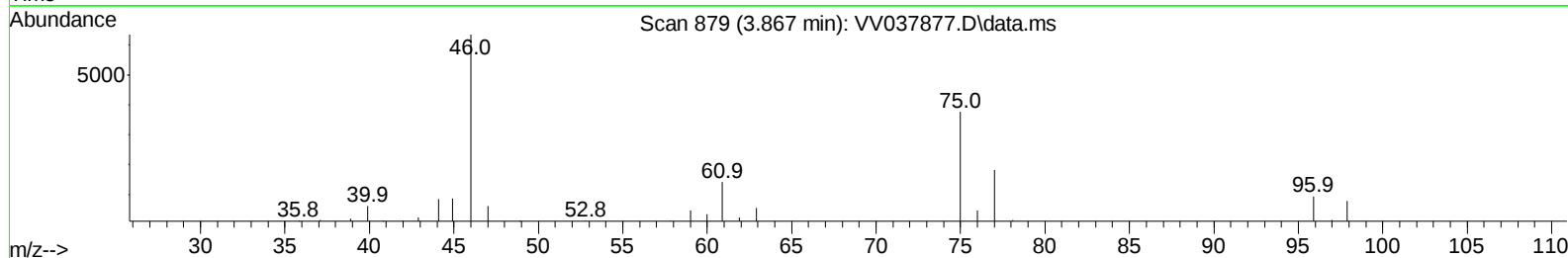
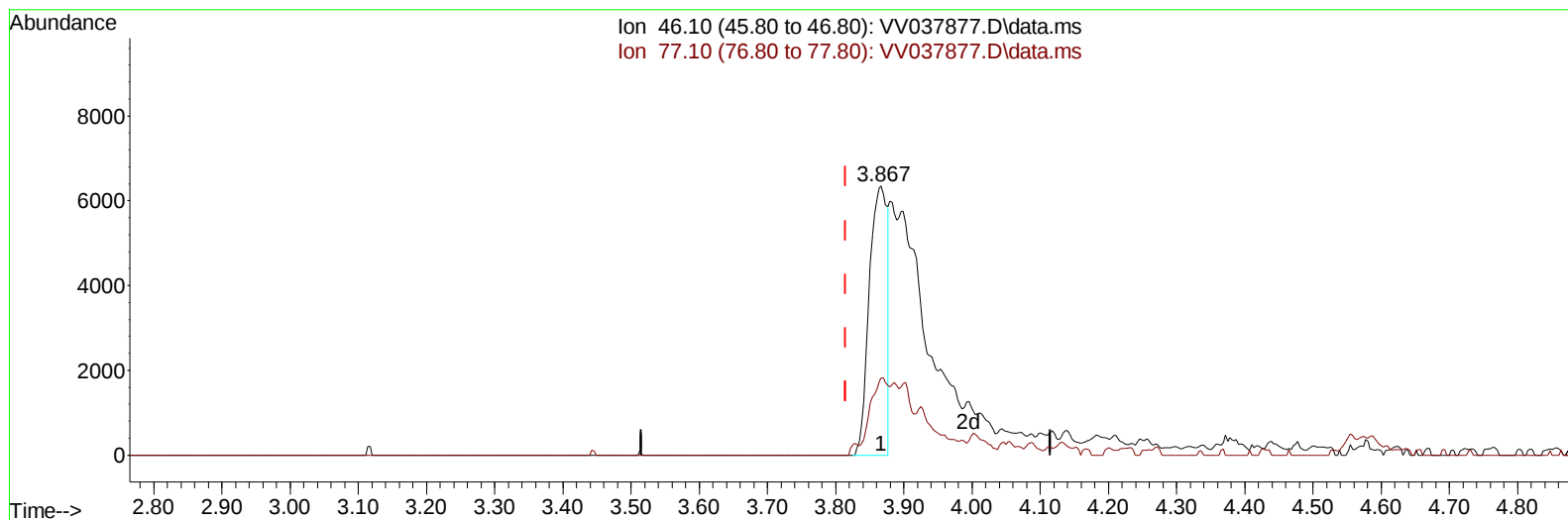
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101624\
Data File : VV037877.D
Acq On : 16 Oct 2024 15:28
Operator : SY/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4E82

Manual IntegrationsAPPROVED

Quant Time: Oct 17 01:59:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 17 01:55:12 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/21/2024



(20) 2-Butanone-d5 (S)

3.867min (+ 0.052) 2.50 ug/L

response 11584

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	27.40	24.72
0.00	0.00	0.00
0.00	0.00	0.00

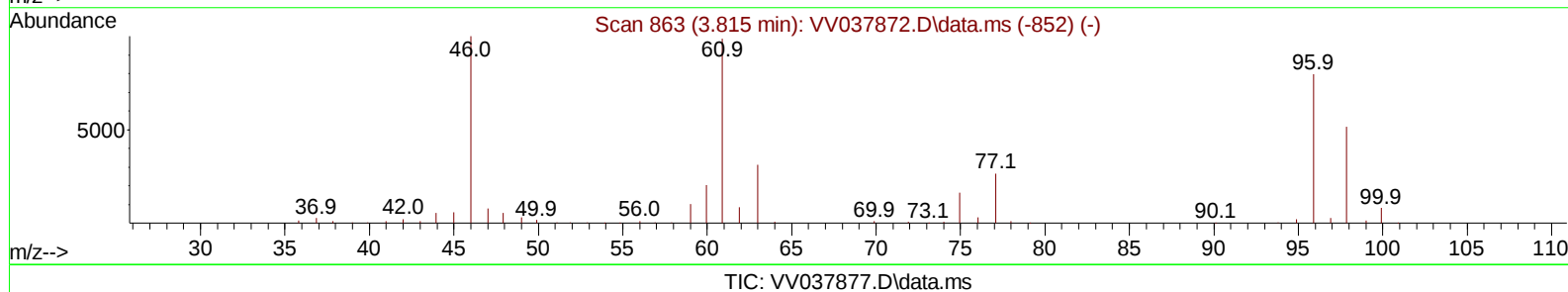
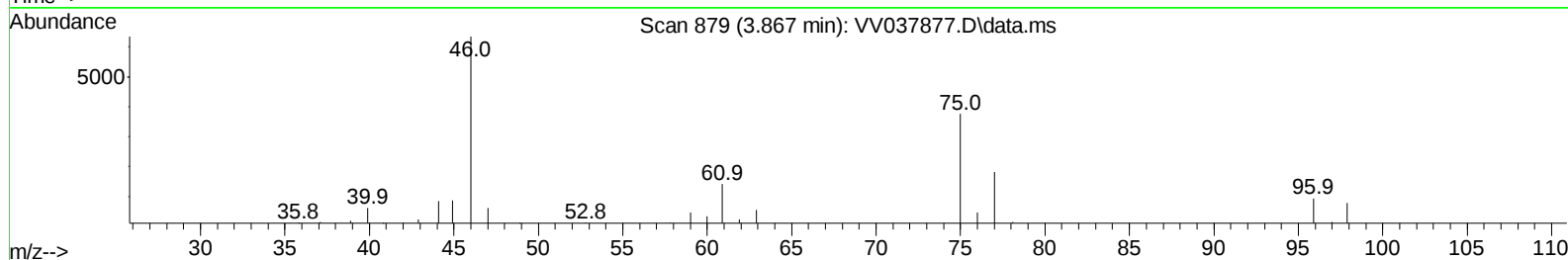
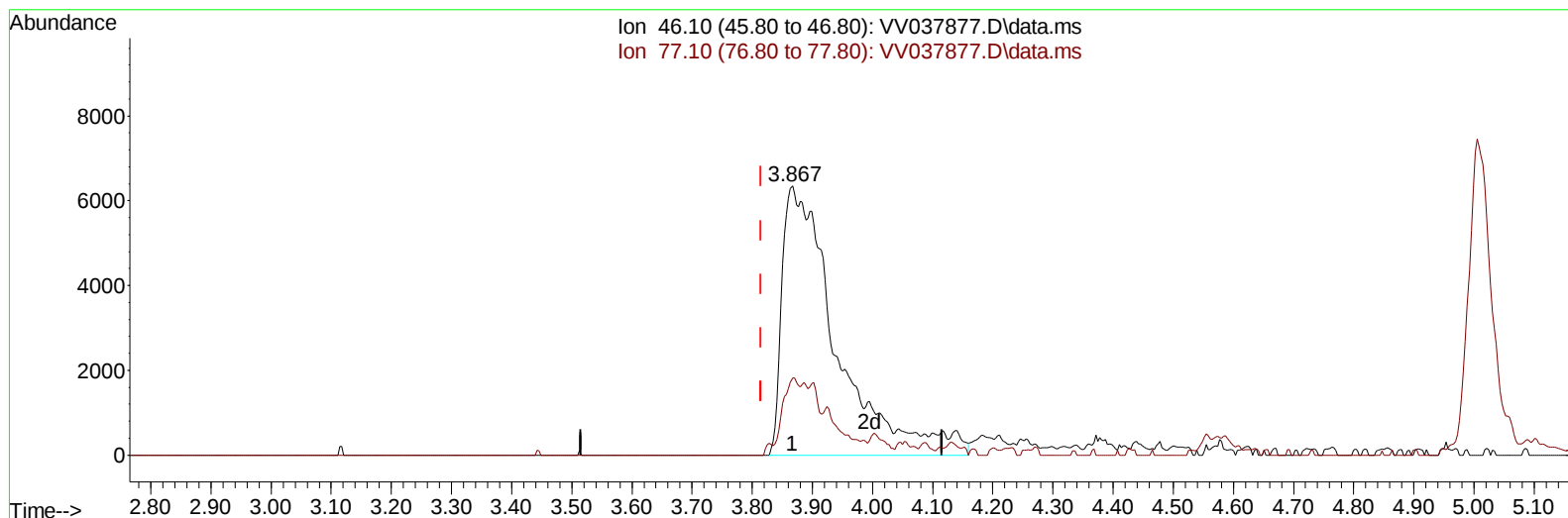
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101624\
Data File : VV037877.D
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Manual IntegrationsAPPROVED

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Quant Time: Oct 17 01:59:27 2024
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 17 01:55:12 2024
Response via : Initial Calibration

**(20) 2-Butanone-d5 (S)**

3.867min (+ 0.052) 8.64 ug/L m

response 39961

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	27.40	7.17#
0.00	0.00	0.00
0.00	0.00	0.00

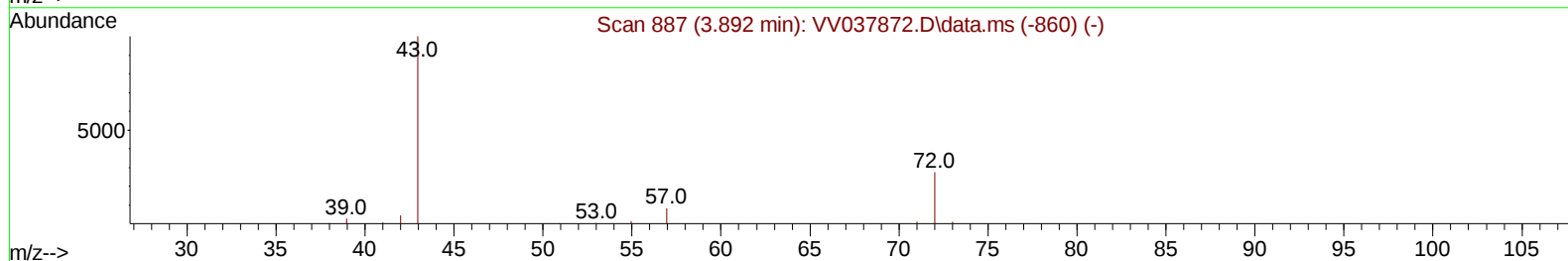
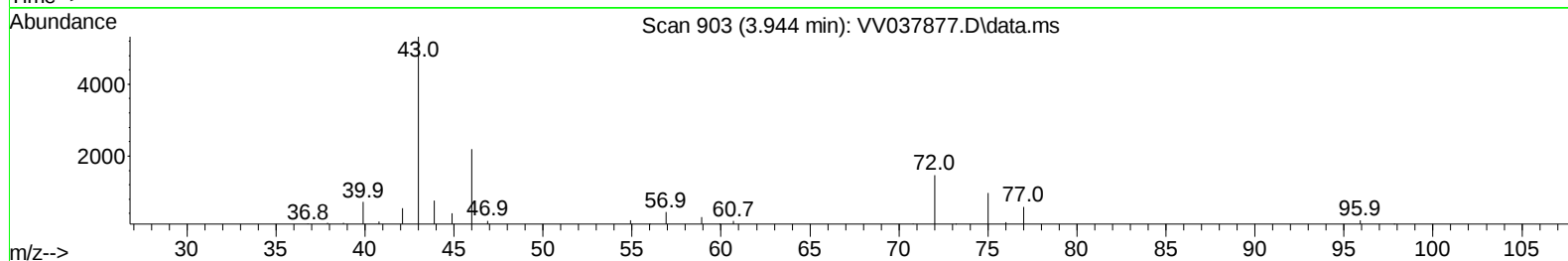
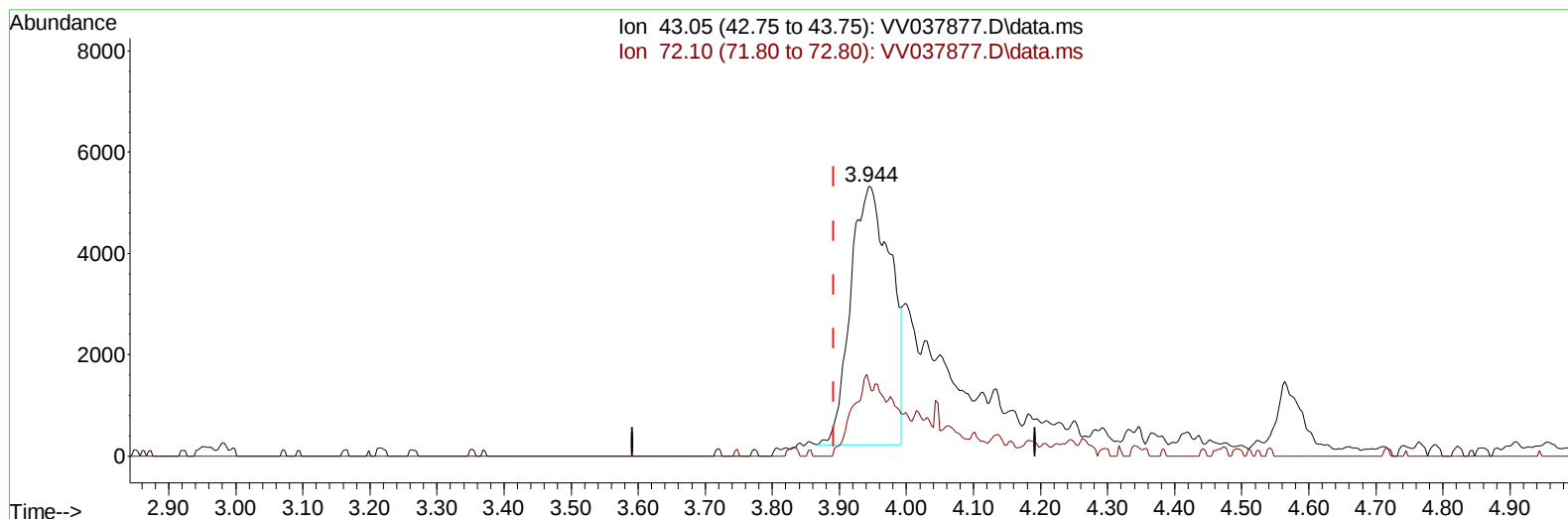
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101624\
Data File : VV037877.D
Acq On : 16 Oct 2024 15:28
Operator : SY/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4E82

Manual IntegrationsAPPROVED

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Quant Time: Oct 17 01:59:27 2024
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 17 01:55:12 2024
Response via : Initial Calibration



TIC: VV037877.D\data.ms

(21) 2-Butanone (T)

3.944min (+ 0.052) 4.04 ug/L

response 21265

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	25.90	14.01
0.00	0.00	0.00
0.00	0.00	0.00

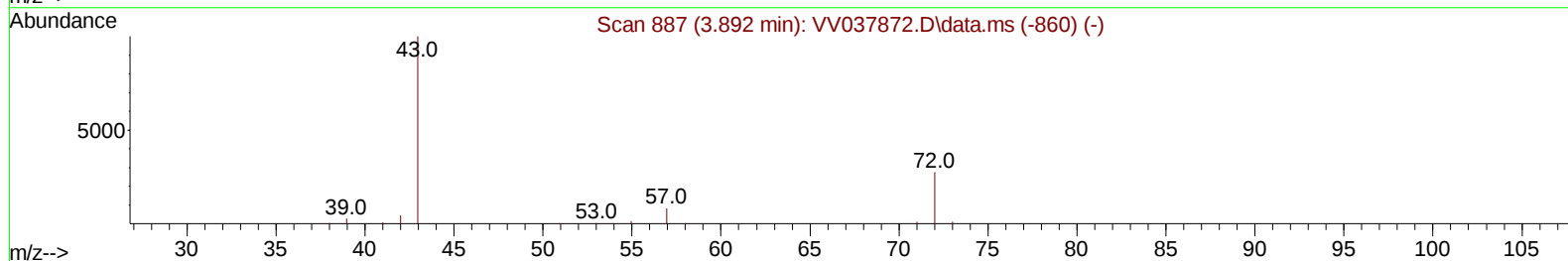
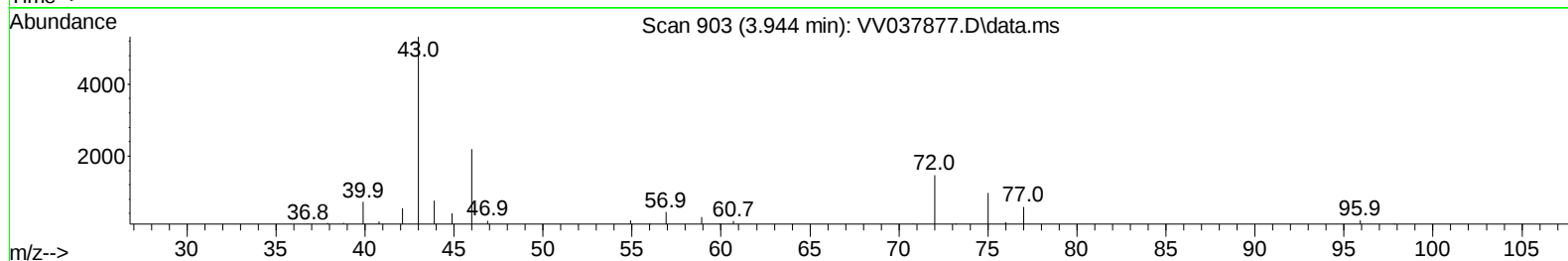
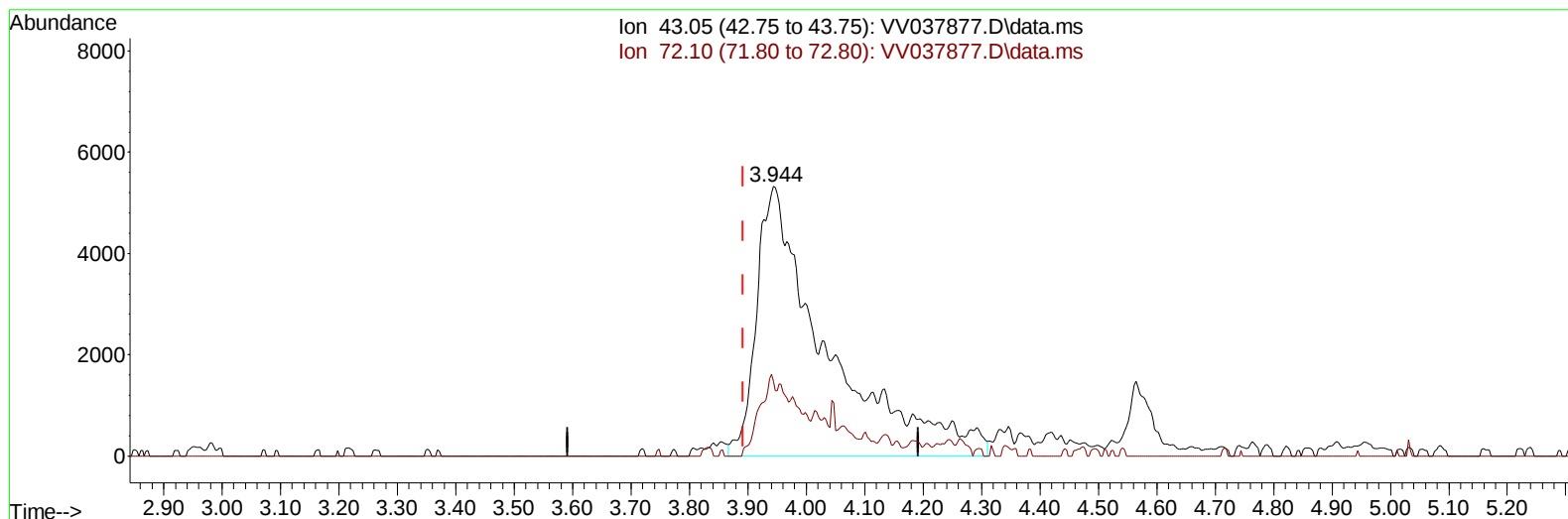
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101624\
Data File : VV037877.D
Acq On : 16 Oct 2024 15:28
Operator : SY/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4E82

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 17 01:59:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 17 01:55:12 2024
Response via : Initial Calibration



TIC: VV037877.D\data.ms

(21) 2-Butanone (T)

3.944min (+ 0.052) 8.43 ug/L m

response 44323

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	25.90	6.72#
0.00	0.00	0.00
0.00	0.00	0.00

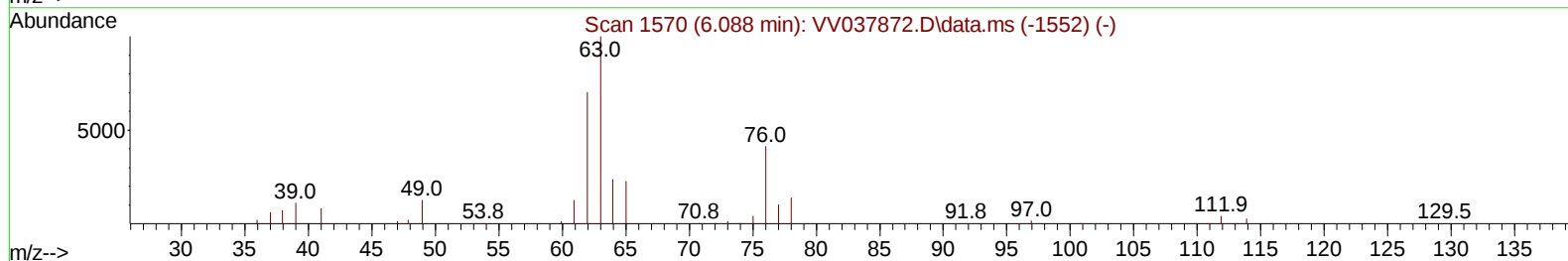
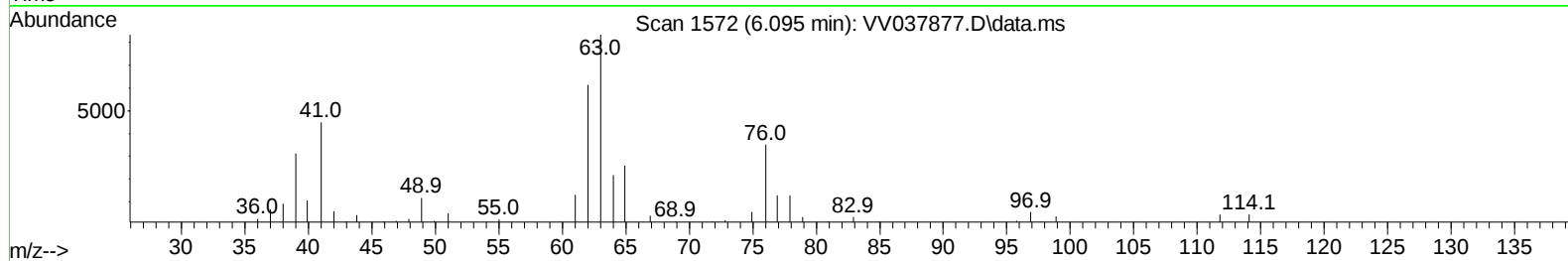
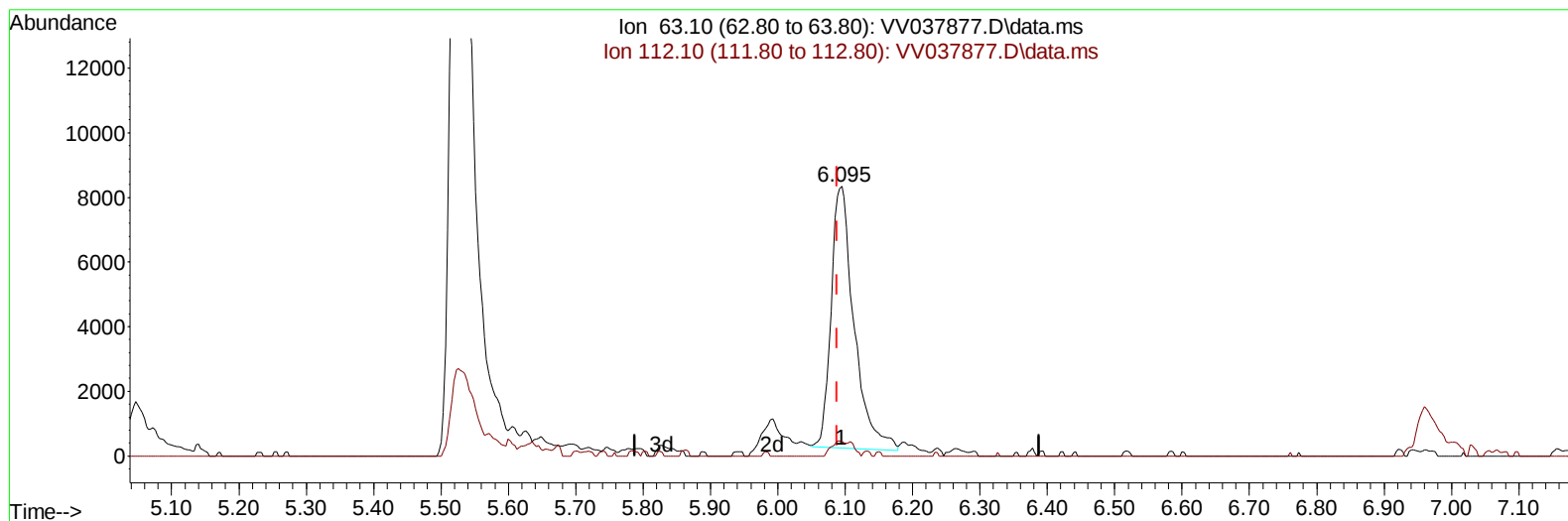
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101624\
Data File : VV037877.D
Acq On : 16 Oct 2024 15:28
Operator : SY/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4E82

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 17 01:59:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 17 01:55:12 2024
Response via : Initial Calibration



TIC: VV037877.D\data.ms

(37) 1,2-Dichloropropane (T)

6.095min (+ 0.007) 0.76 ug/L

response 19137

Ion	Exp%	Act%
63.10	100.00	100.00
112.10	4.90	3.53#
0.00	0.00	0.00
0.00	0.00	0.00

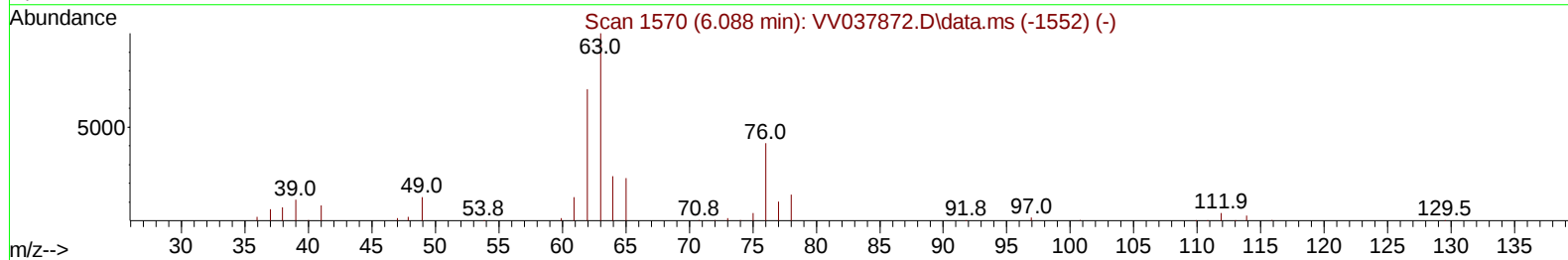
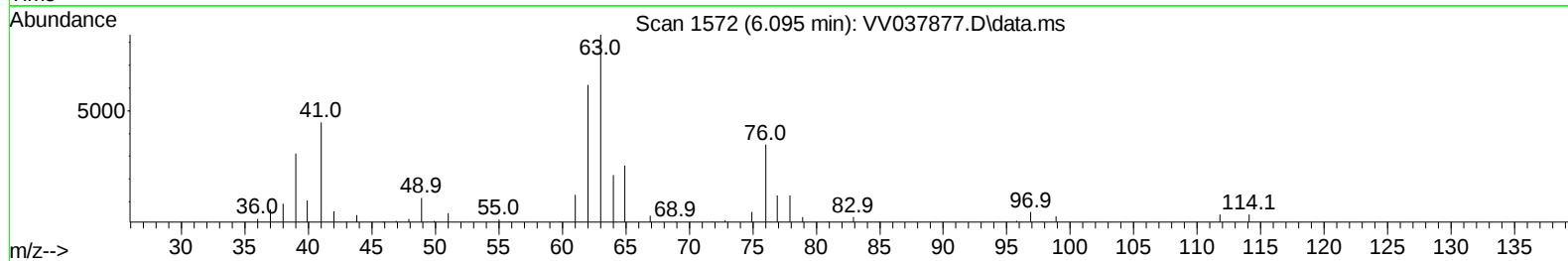
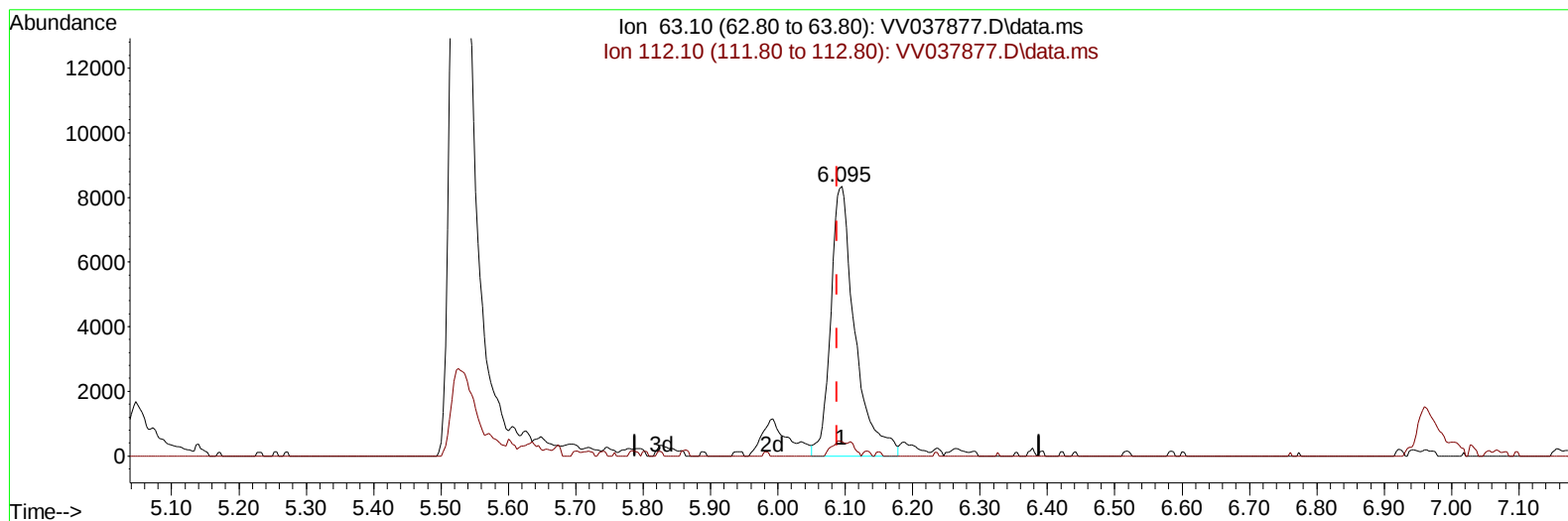
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101624\
 Data File : VV037877.D
 Acq On : 16 Oct 2024 15:28
 Operator : SY/MD
 Sample : VSTD001
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4E82

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/18/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 17 01:59:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 17 01:55:12 2024
 Response via : Initial Calibration



TIC: VV037877.D\data.ms

(37) 1,2-Dichloropropane (T)

6.095min (+ 0.007) 0.82 ug/L m

response 20854

Ion	Exp%	Act%
63.10	100.00	100.00
112.10	4.90	3.24#
0.00	0.00	0.00
0.00	0.00	0.00

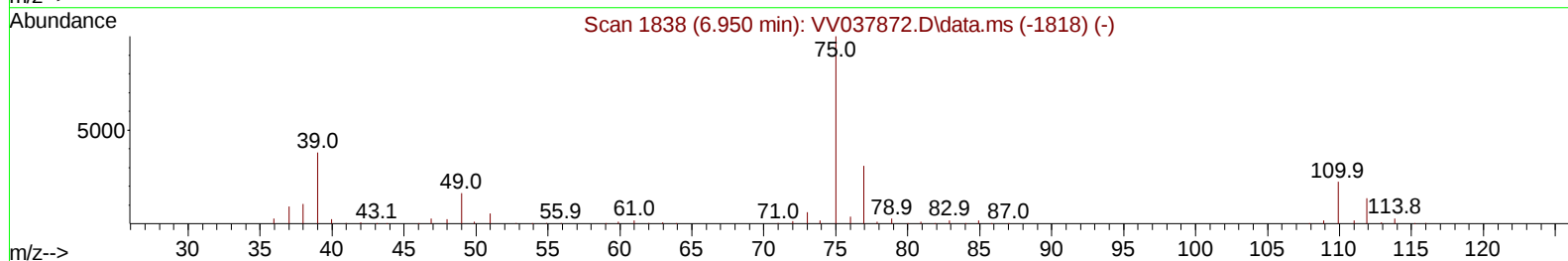
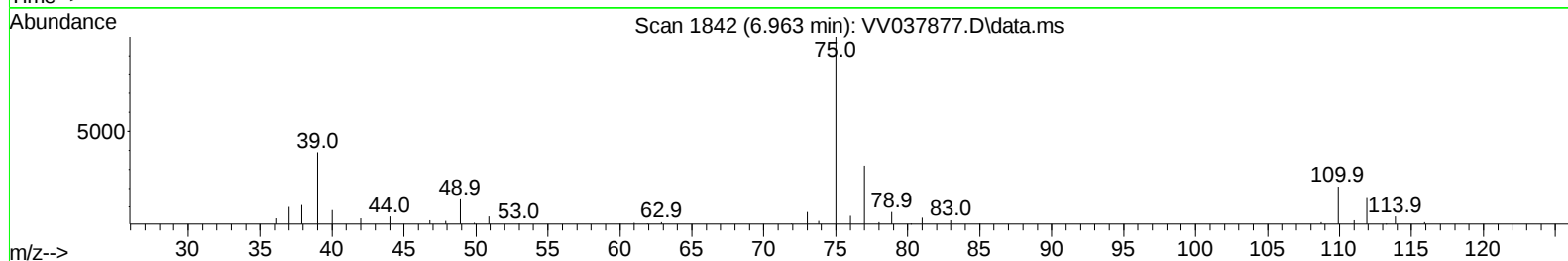
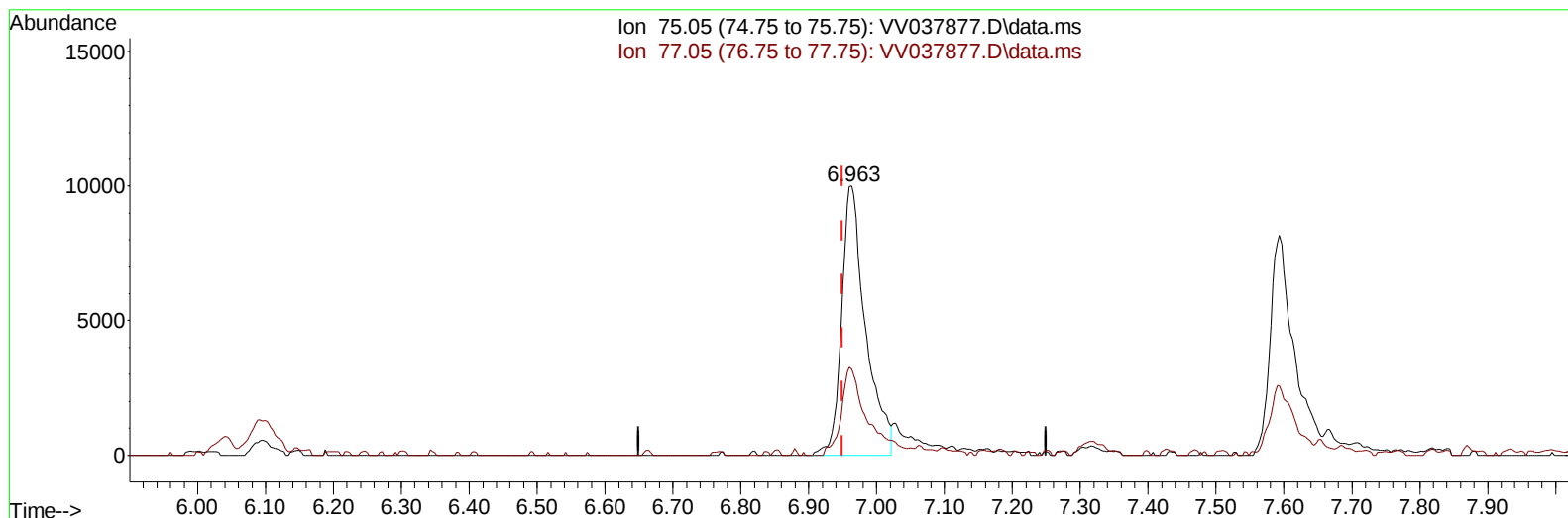
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101624\
Data File : VV037877.D
Acq On : 16 Oct 2024 15:28
Operator : SY/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4E82

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 17 01:59:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 17 01:55:12 2024
Response via : Initial Calibration



TIC: VV037877.D\data.ms

(39) cis-1,3-Dichloropropene (T)

6.963min (+ 0.013) 0.72 ug/L

response 24632

Ion	Exp%	Act%
75.05	100.00	100.00
77.05	31.20	32.07
0.00	0.00	0.00
0.00	0.00	0.00

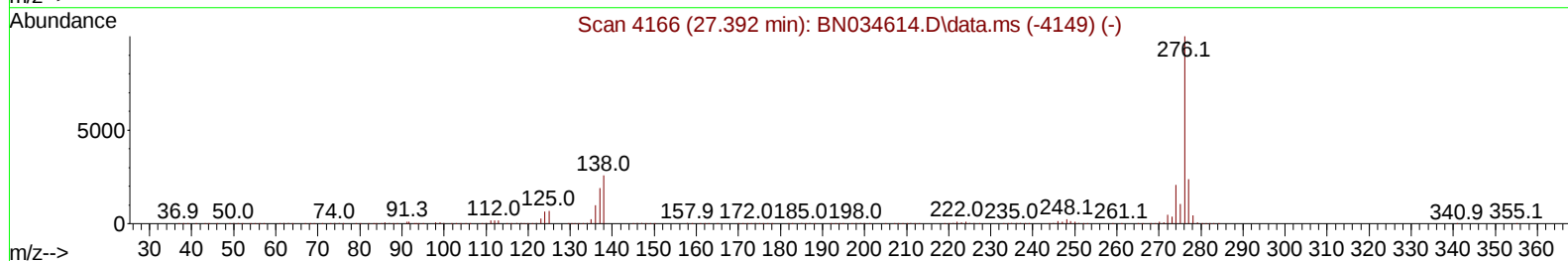
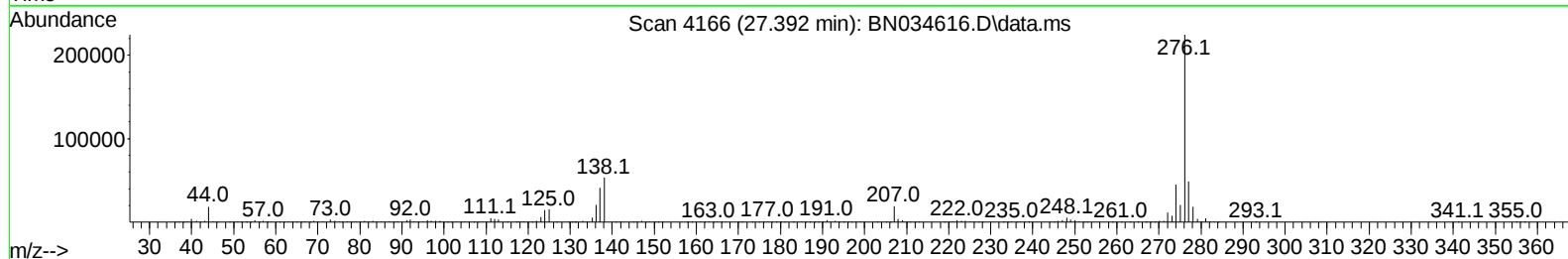
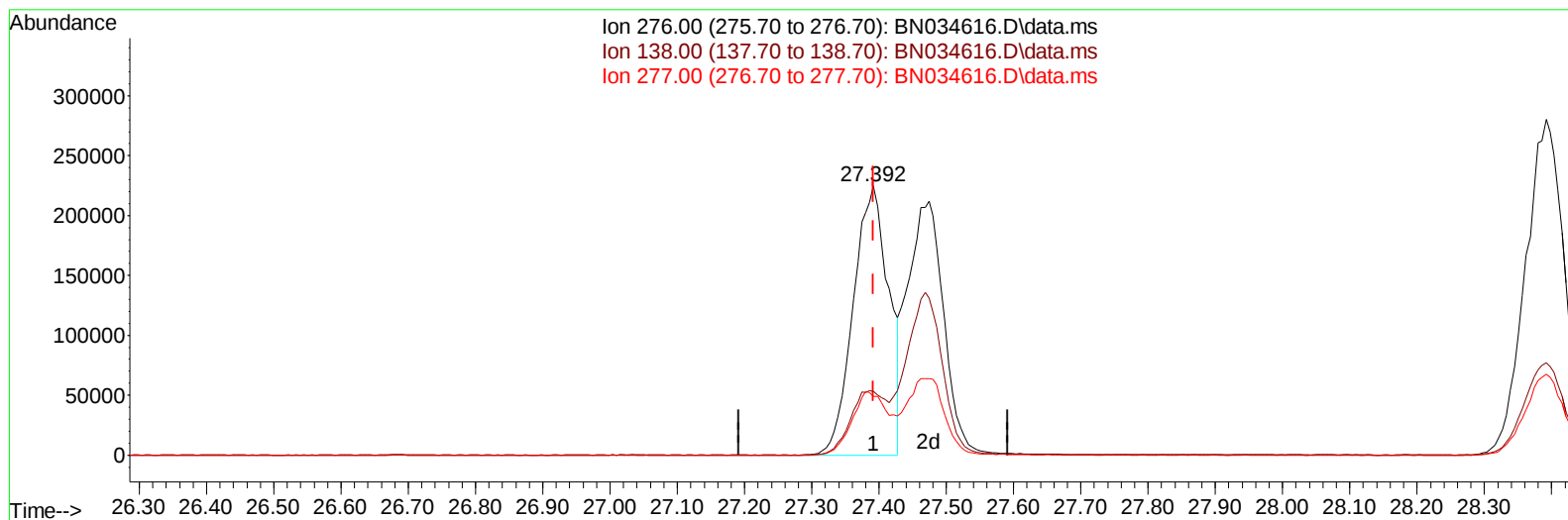
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101724\
Data File : BN034616.D
Acq On : 17 Oct 2024 11:00
Operator : RC/JU
Sample : P4352-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4E82

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 17 11:28:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 16 15:50:29 2024
Response via : Initial Calibration



TIC: BN034616.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

27.392min (+ 0.000) 13.40 ng/u1

response 822161

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.40	23.69
277.00	22.10	21.90
0.00	0.00	0.00

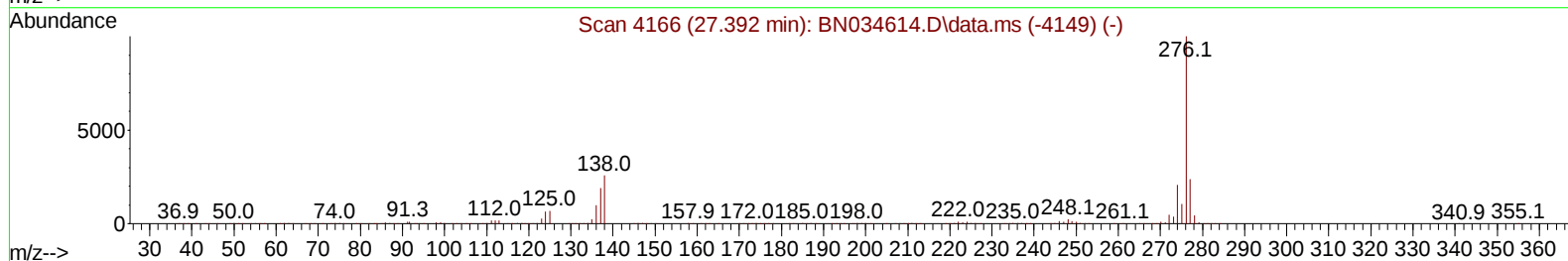
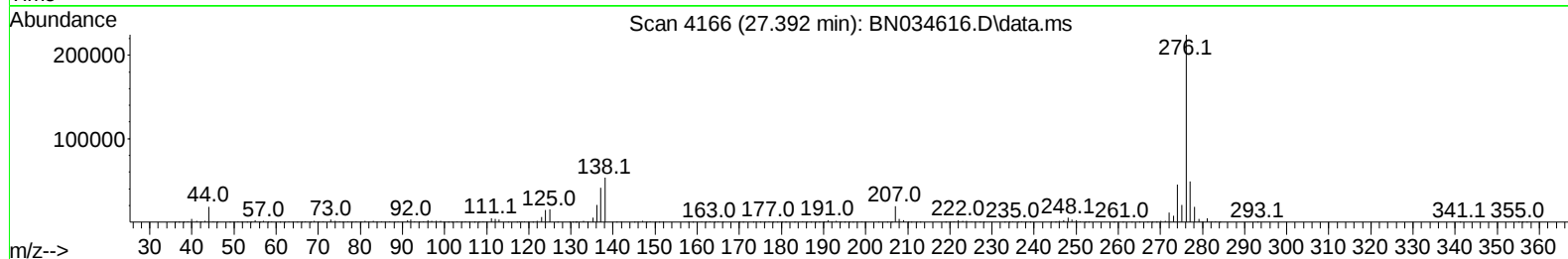
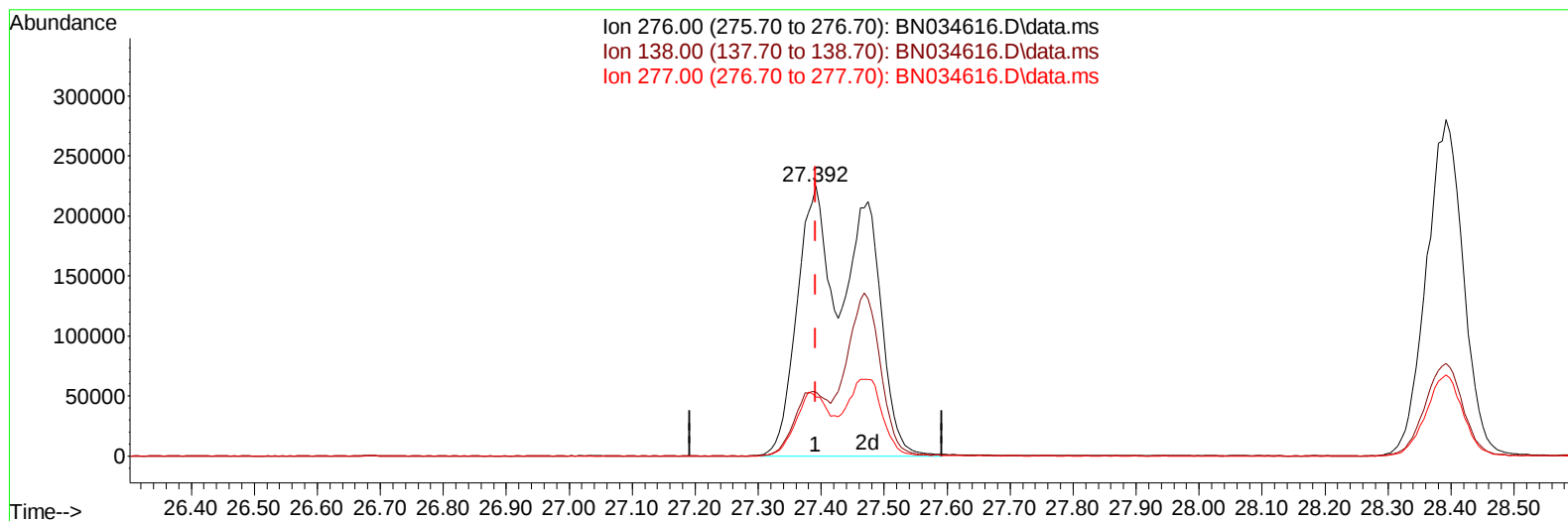
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101724\
 Data File : BN034616.D
 Acq On : 17 Oct 2024 11:00
 Operator : RC/JU
 Sample : P4352-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4E82

Manual IntegrationsAPPROVED

Quant Time: Oct 17 11:28:44 2024
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TIC: BN034616.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

27.392min (+ 0.000) 26.25 ng/ul m

response 1610758

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.40	23.69
277.00	22.10	21.90
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101724\
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 Acq On : 17 Oct 2024 11:00
 Operator : RC/JU
 Sample : P4352-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Oct 17 11:30:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 16 15:50:29 2024
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Reviewed By :Yogesh Patel 10/18/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	219222	20.000	ng/ul	0.00
20) Naphthalene-d8	10.440	136	878831	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.298	164	490326	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.039	188	921170	20.000	ng/ul	0.00
79) Chrysene-d12	21.274	240	784072	20.000	ng/ul	0.00
88) Perylene-d12	24.163	264	945467	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.211	96	17703	3.231	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	6.834	99	338309	18.804	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67	211776	19.083	ng/ul	0.00
11) 2-Chlorophenol-d4	7.199	132	273155	19.654	ng/ul	0.00
15) 4-Methylphenol-d8	8.375	113	249829	17.818	ng/ul	0.01
21) Nitrobenzene-d5	8.810	128	126456	20.677	ng/ul	0.00
24) 2-Nitrophenol-d4	9.528	143	100943	20.887	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.063	165	252965	22.709	ng/ul	0.00
31) 4-Chloroaniline-d4	10.569	131	277617	14.528	ng/ul	0.00
46) Dimethylphthalate-d6	13.722	166	665354	21.449	ng/ul	0.00
49) Acenaphthylene-d8	13.987	160	827311	21.472	ng/ul	0.00
54) 4-Nitrophenol-d4	14.492	143	109577	18.963	ng/ul	0.00
60) Fluorene-d10	15.292	176	587982	21.916	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.404	200	39964	12.943	ng/ul	0.00
73) Anthracene-d10	17.139	188	896581	22.769	ng/ul	0.00
81) Pyrene-d10	19.433	212	928632	23.067	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.963	264	992825	22.790	ng/ul	0.00
Target Compounds						
					Qvalue	
8) Phenol	6.858	94	574813	30.598	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.105	93	2495339	168.452	ng/ul	97
12) 2-Chlorophenol	7.234	128	1134190	78.143	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.475	70	1725709	158.273	ng/ul	95
19) Hexachloroethane	8.740	117	694823	114.806	ng/ul	99
22) Nitrobenzene	8.852	77	530610	36.271	ng/ul	99
23) Isophorone	9.381	82	3912307	135.285	ng/ul	98
25) 2-Nitrophenol	9.557	139	260716	45.874	ng/ul	98
27) Bis(2-Chloroethoxy)met...	9.869	93	2794896	156.681	ng/ul	100
29) 2,4-Dichlorophenol	10.093	162	1021704	90.657	ng/ul	99
33) Hexachlorobutadiene	10.793	225	817262	120.654	ng/ul	98
35) 4-Chloro-3-methylphenol	11.722	107	449150	35.647	ng/ul	98
36) 2-Methylnaphthalene	12.110	142	1370321	47.112	ng/ul	99
41) 2,4,6-Trichlorophenol	12.722	196	1113193	159.127	ng/ul	95
42) 2,4,5-Trichlorophenol	12.787	196	281971	36.375	ng/ul	100
48) 2,6-Dinitrotoluene	13.881	165	1199231	222.196	ng/ul	89
50) Acenaphthylene	14.016	152	748623	17.931	ng/ul	98
52) Acenaphthene	14.369	153	2838850	97.870	ng/ul	98
55) 4-Nitrophenol	14.504	109	315850	74.641	ng/ul	98
57) 2,4-Dinitrotoluene	14.663	165	1103295	143.333	ng/ul	98
61) Fluorene	15.357	166	4264707	137.313	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.357	204	610525	43.791	ng/ul	99
68) 4-Bromophenyl-phenylether	16.245	248	271176	33.815	ng/ul	98

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 Sample : P4352-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 A4E82

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/18/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 17 11:30:48 2024
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 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 16 15:50:29 2024
 Response via : Initial Calibration

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

69) Hexachlorobenzene	16.357	284		1638165	177.898	ng/ul	94
71) Pentachlorophenol	16.692	266		870434	176.364	ng/ul	96
72) Phenanthrene	17.086	178		1759839	38.276	ng/ul	98
74) Anthracene	17.175	178		1739799	36.621	ng/ul	98
78) Di-n-butylphthalate	18.045	149		6413045	125.288	ng/ul	99
80) Fluoranthene	19.104	202		5934409	122.871	ng/ul	96
82) Pyrene	19.463	202		2841588	55.232	ng/ul	100
83) Butylbenzylphthalate	20.392	149		689639	36.158	ng/ul	98
85) Benzo(a)anthracene	21.257	228		5051842	101.412	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.227	149		4262082	142.416	ng/ul	100
87) Chrysene	21.322	228		7015006	148.362	ng/ul	96
90) Benzo(b)fluoranthene	23.268	252		7008474	137.949	ng/ul	99
93) Benzo(a)pyrene	24.027	252		1543668	31.383	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.392	276		1610758m	26.248	ng/ul	
95) Dibenzo(a,h)anthracene	27.468	278		3386108	67.900	ng/ul	99
96) Benzo(g,h,i)perylene	28.392	276		1148384	24.109	ng/ul	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101724\
Data File : BN034616.D
Acq On : 17 Oct 2024 11:00
Operator : RC/JU
Sample : P4352-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4E82

Manual IntegrationsAPPROVED

Quant Time: Oct 17 11:30:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 16 15:50:29 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/21/2024

