

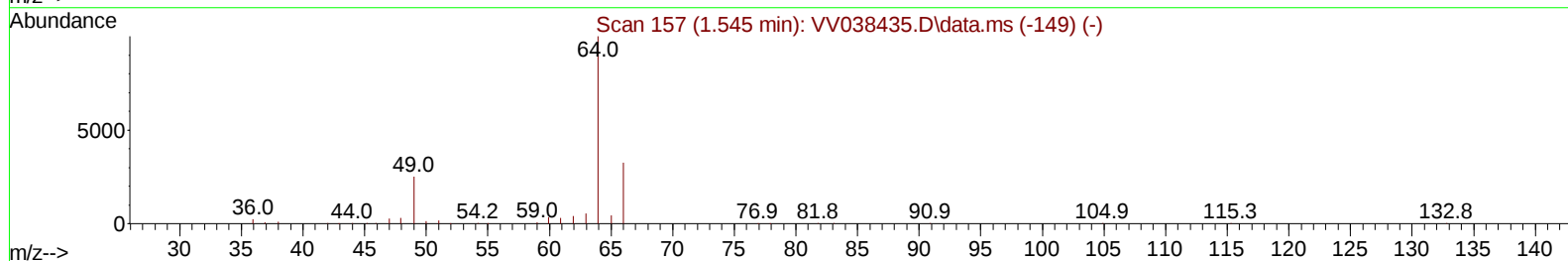
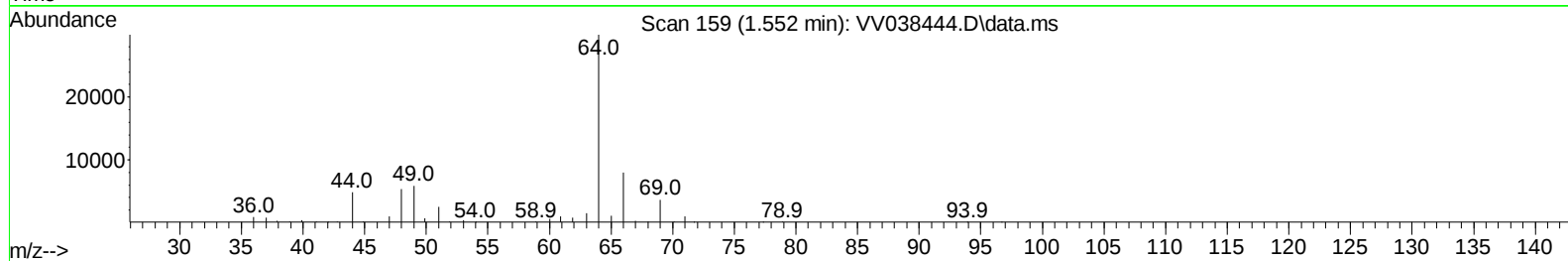
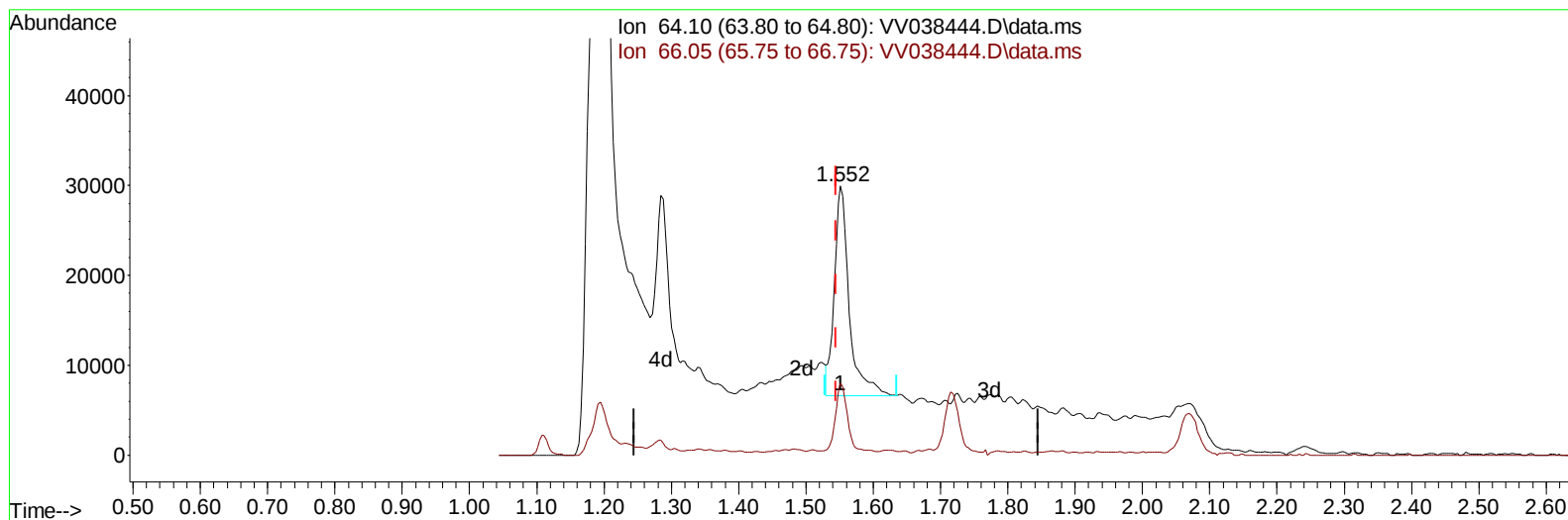
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120724\
 Data File : VV038444.D
 Acq On : 06 Dec 2024 18:11
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC005EC

Manual IntegrationsAPPROVED

Quant Time: Dec 06 22:58:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR11924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 06 21:32:44 2024
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024



TIC: VV038444.D\data.ms

(8) Chloroethane (T)

1.552min (+ 0.006) 3.52 ug/L

response 35680

Ion	Exp%	Act%
64.10	100.00	100.00
66.05	31.40	26.70
0.00	0.00	0.00
0.00	0.00	0.00

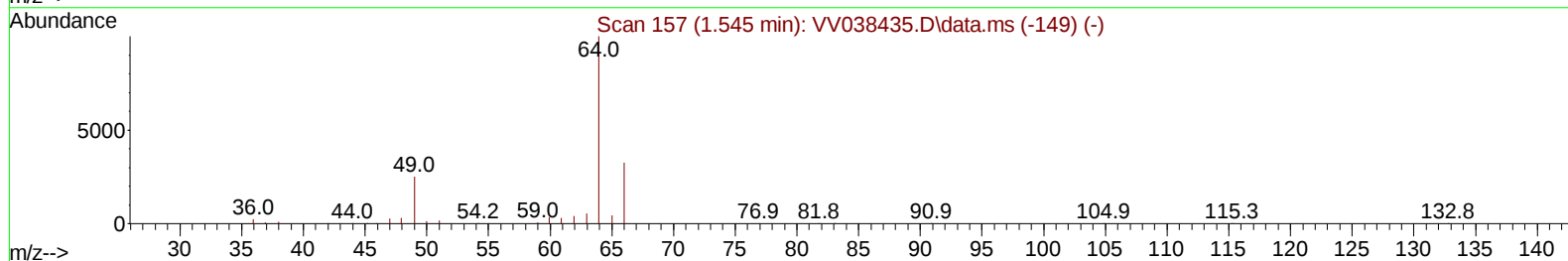
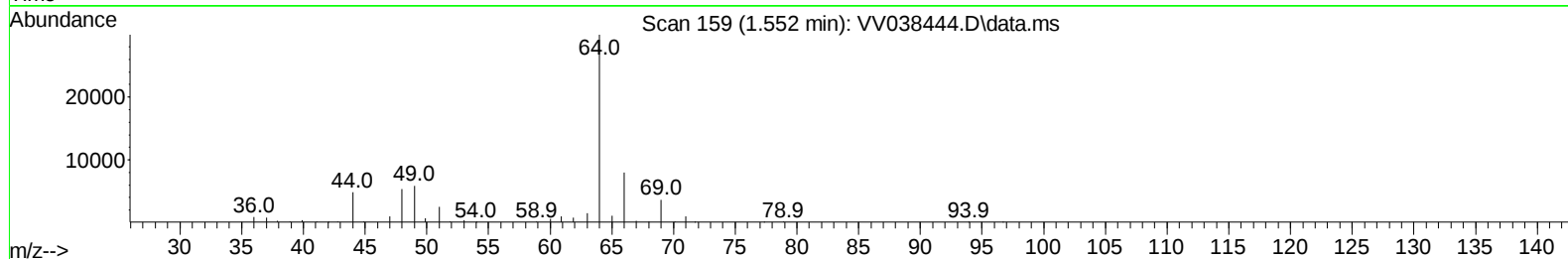
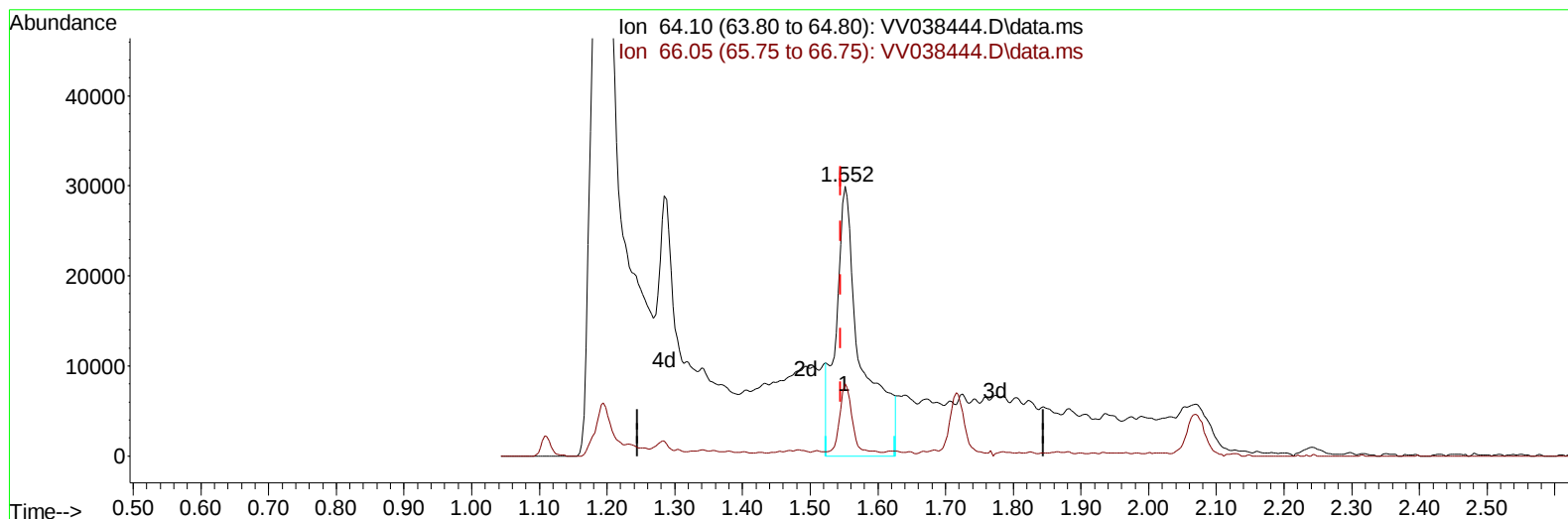
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120724\
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Manual IntegrationsAPPROVED

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR11924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 06 21:32:44 2024
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Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024



TIC: VV038444.D\data.ms

(8) Chloroethane (T)

1.552min (+ 0.006) 7.68 ug/L m

response 77829

Ion	Exp%	Act%
64.10	100.00	100.00
66.05	31.40	26.70
0.00	0.00	0.00
0.00	0.00	0.00

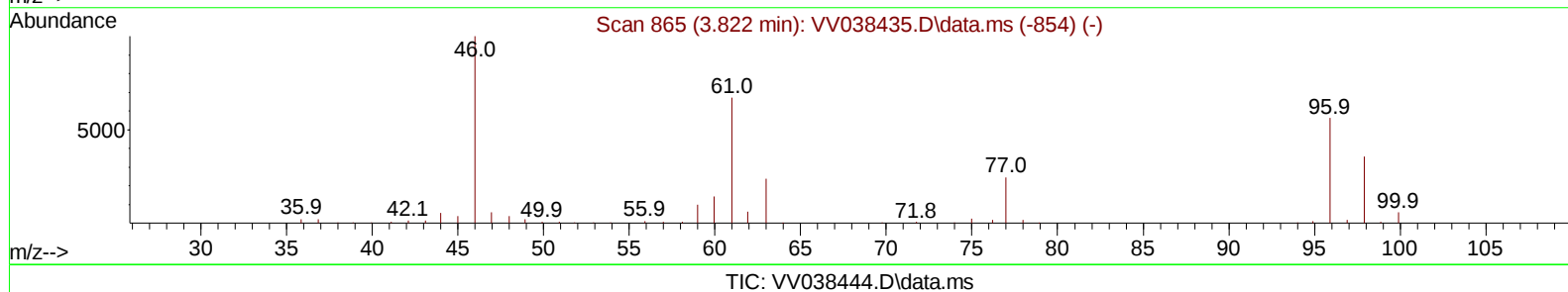
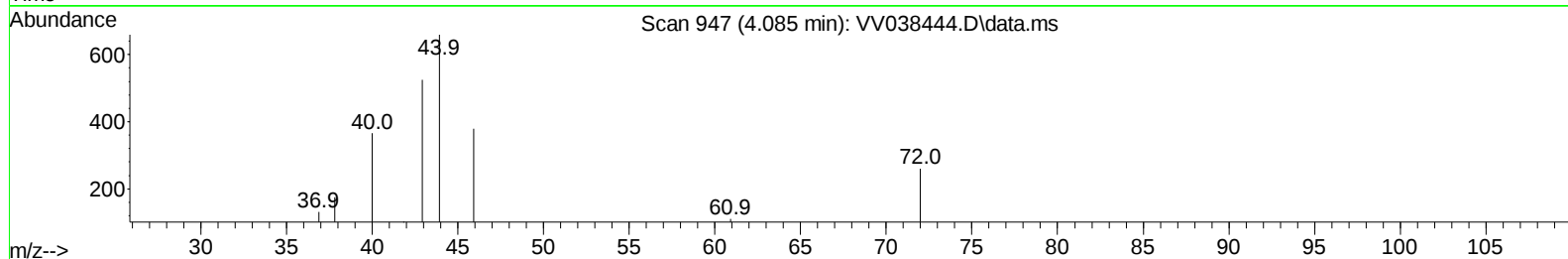
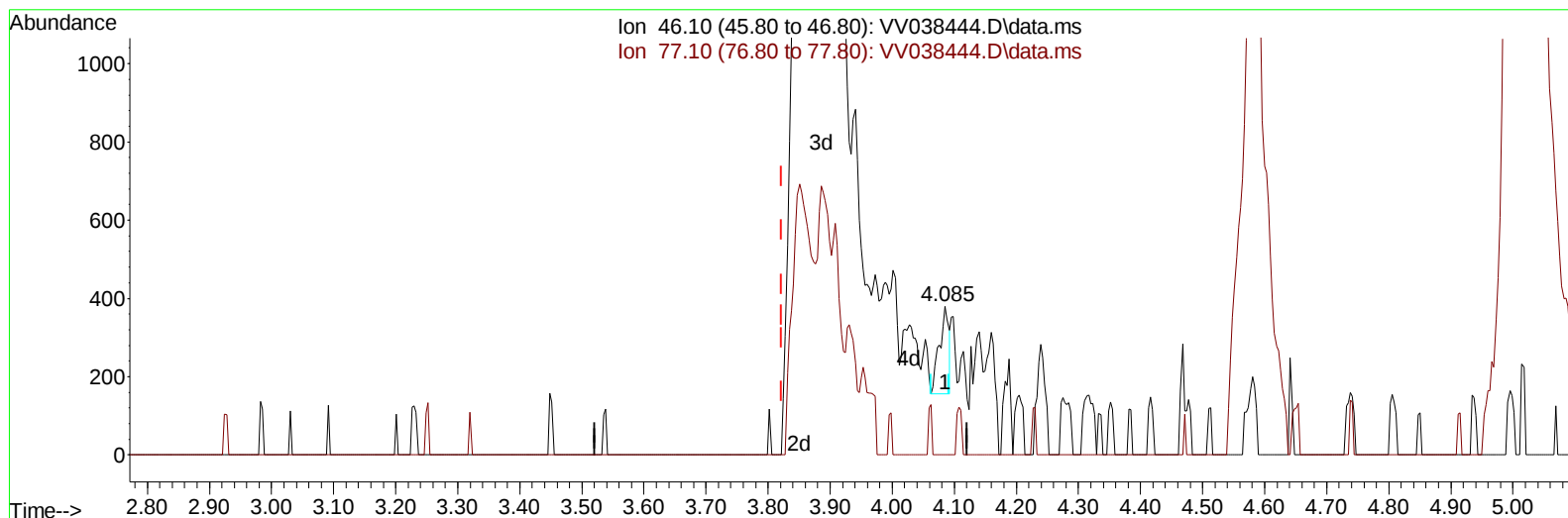
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120724\
 Data File : VV038444.D
 Acq On : 06 Dec 2024 18:11
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC005EC

Manual IntegrationsAPPROVED

Quant Time: Dec 06 22:58:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR11924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 06 21:32:44 2024
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024



(20) 2-Butanone-d5 (S)

4.085min (+ 0.263) 0.09 ug/L

response 231

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	27.40	20.78
0.00	0.00	0.00
0.00	0.00	0.00

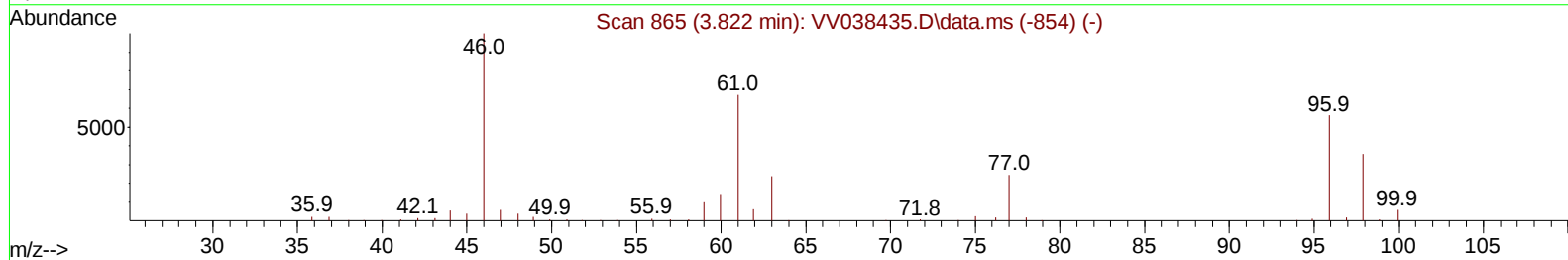
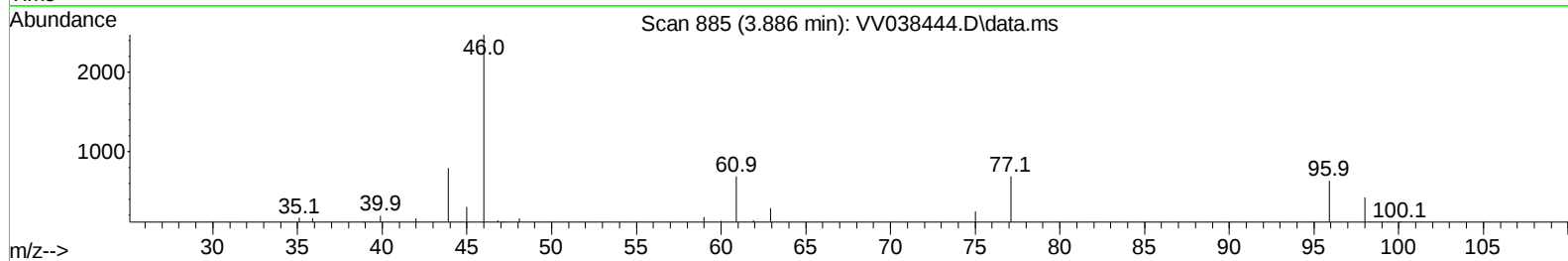
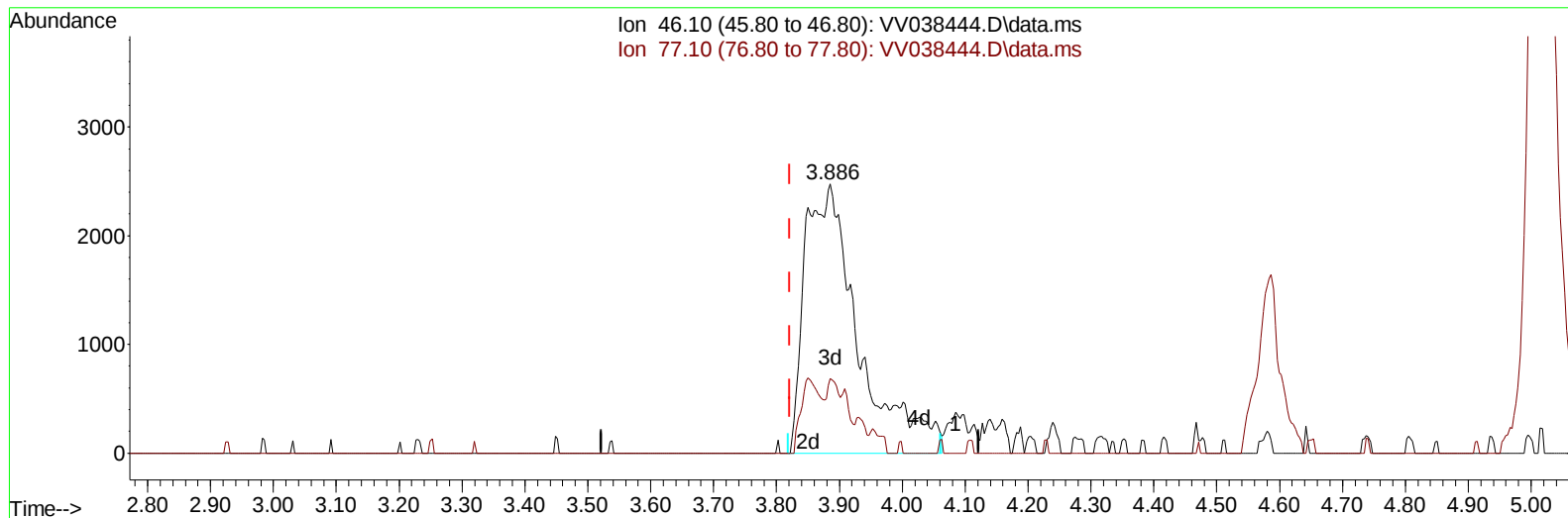
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120724\
Data File : VV038444.D
Acq On : 06 Dec 2024 18:11
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC005EC

Manual IntegrationsAPPROVED

Quant Time: Dec 06 22:58:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR11924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 06 21:32:44 2024
Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



TIC: VV038444.D\data.ms

(20) 2-Butanone-d5 (S)

3.886min (+ 0.064) 5.51 ug/L m

response 14557

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	27.40	0.33#
0.00	0.00	0.00
0.00	0.00	0.00

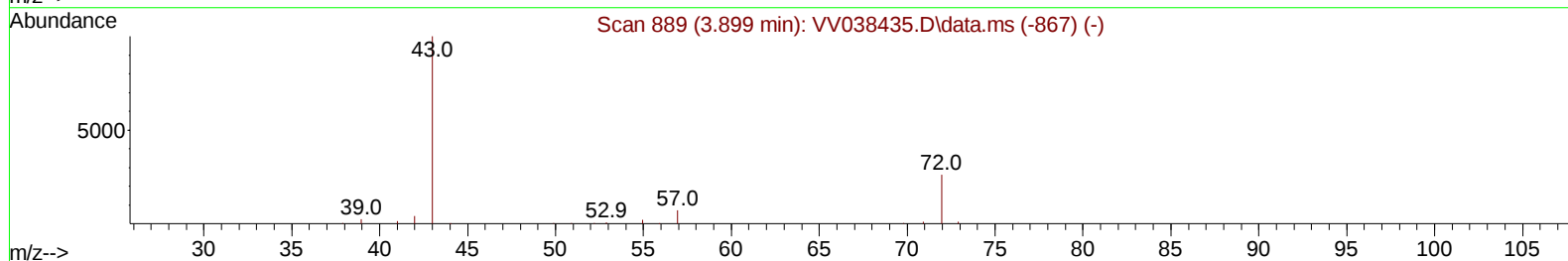
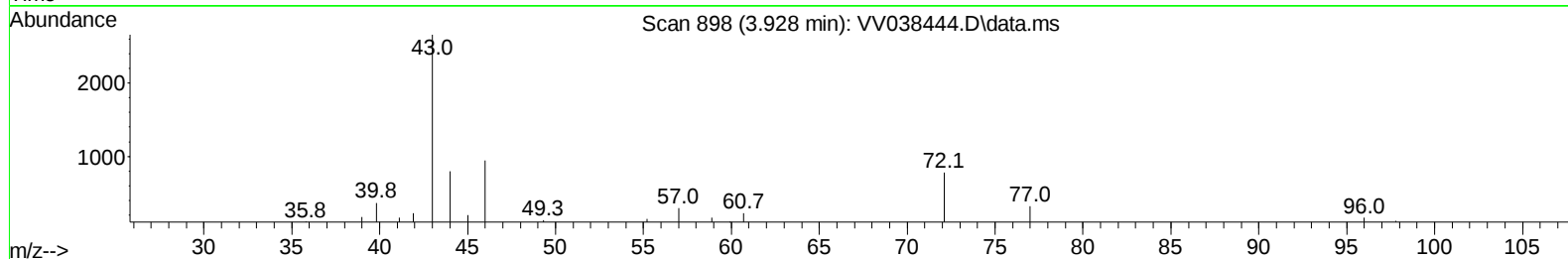
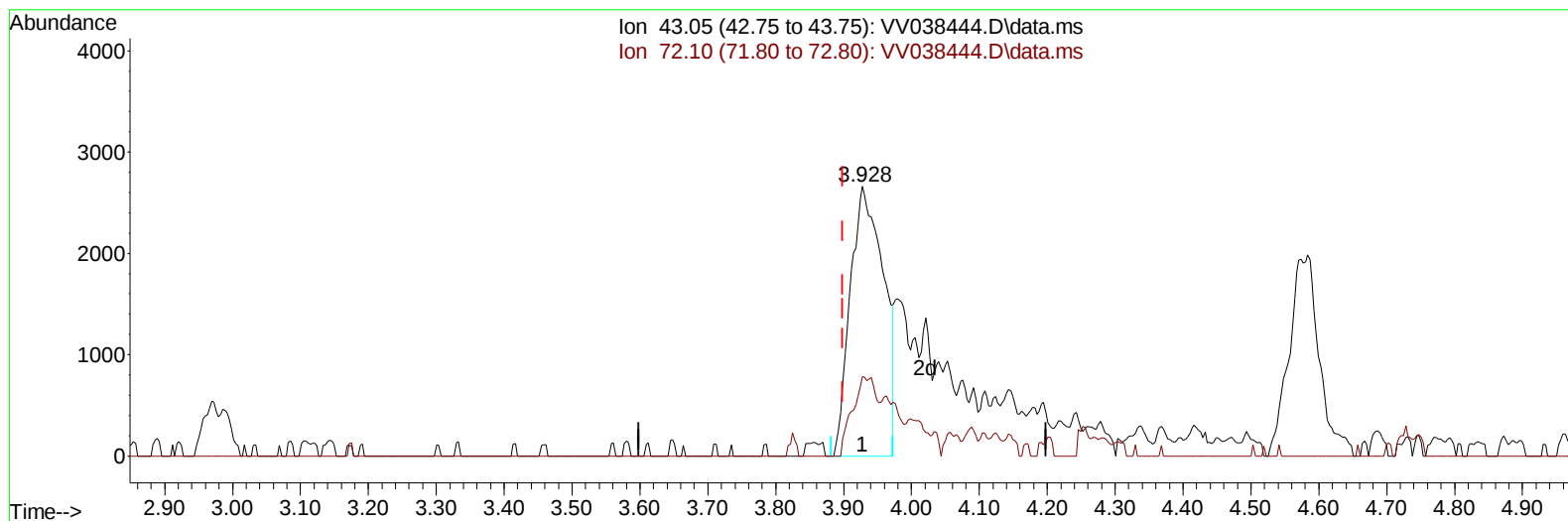
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120724\
Data File : VV038444.D
Acq On : 06 Dec 2024 18:11
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC005EC

Manual IntegrationsAPPROVED

Quant Time: Dec 06 22:58:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR11924WMA.M
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QLast Update : Fri Dec 06 21:32:44 2024
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TIC: VV038444.D\data.ms

(21) 2-Butanone (T)

3.928min (+ 0.029) 3.23 ug/L

response 9058

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	26.00	21.47
0.00	0.00	0.00
0.00	0.00	0.00

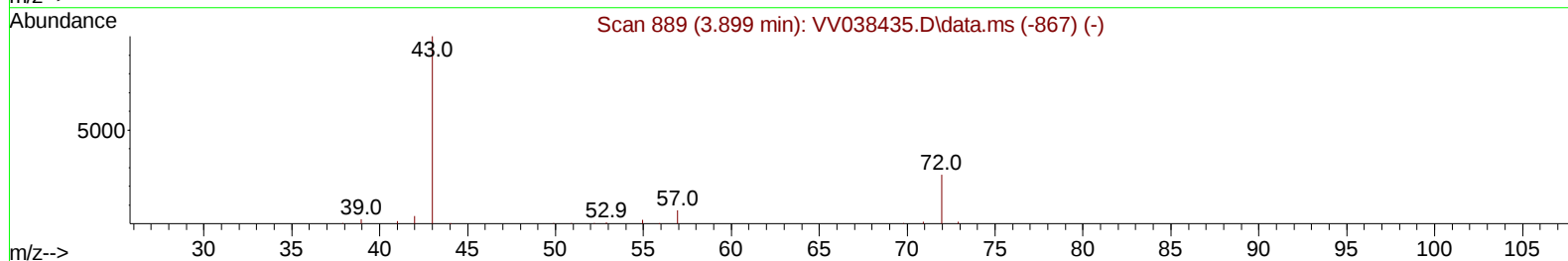
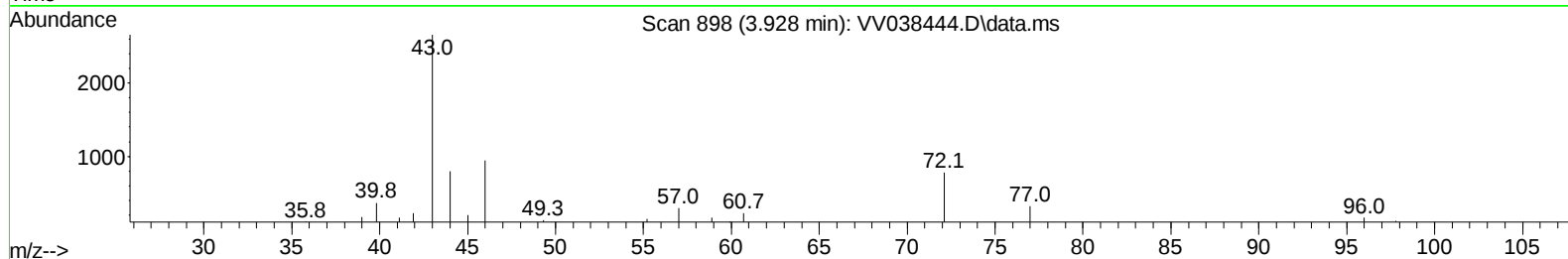
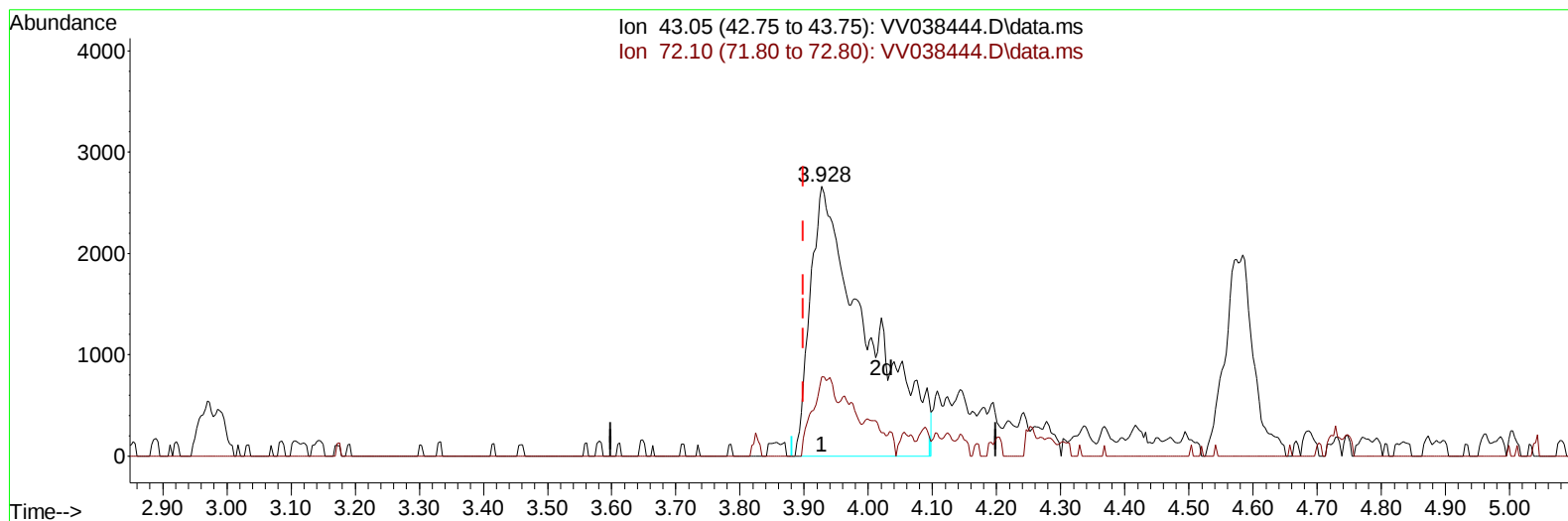
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Data File : VV038444.D
Acq On : 06 Dec 2024 18:11
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC005EC

Manual IntegrationsAPPROVED

Quant Time: Dec 06 22:58:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR11924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 06 21:32:44 2024
Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



TIC: VV038444.D\data.ms

(21) 2-Butanone (T)

3.928min (+ 0.029) 5.79 ug/L m

response 16223

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	26.00	11.99#
0.00	0.00	0.00
0.00	0.00	0.00

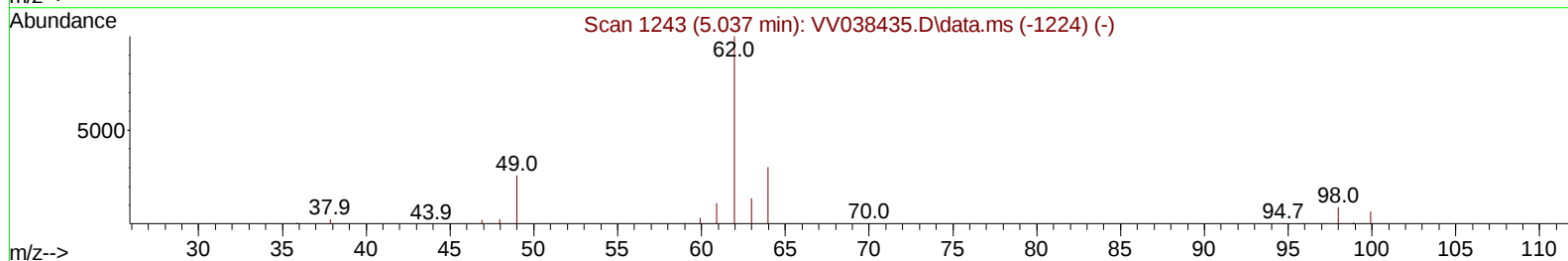
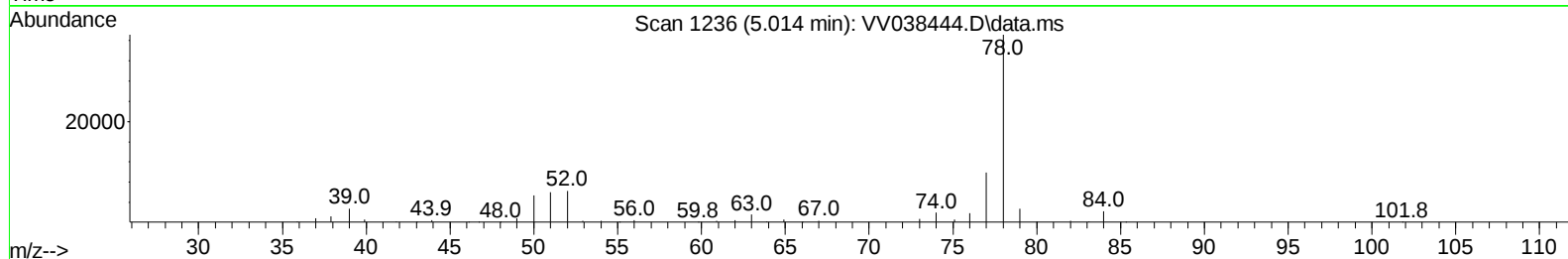
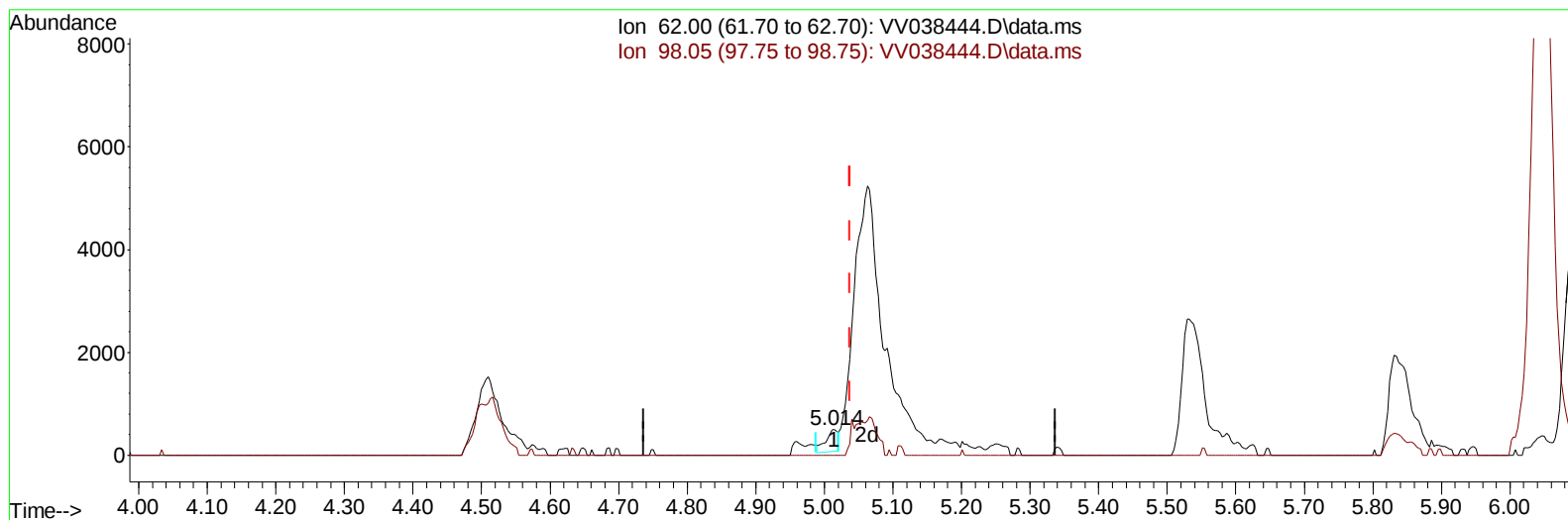
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Data File : VV038444.D
Acq On : 06 Dec 2024 18:11
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC005EC

Manual IntegrationsAPPROVED

Quant Time: Dec 06 22:58:17 2024
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Reviewed By :Mahesh Dadoda 12/09/2024
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TIC: VV038444.D\data.ms

(27) 1,2-Dichloroethane (T)

5.014min (-0.023) 0.04 ug/L

response 557

Ion	Exp%	Act%
62.00	100.00	100.00
98.05	10.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

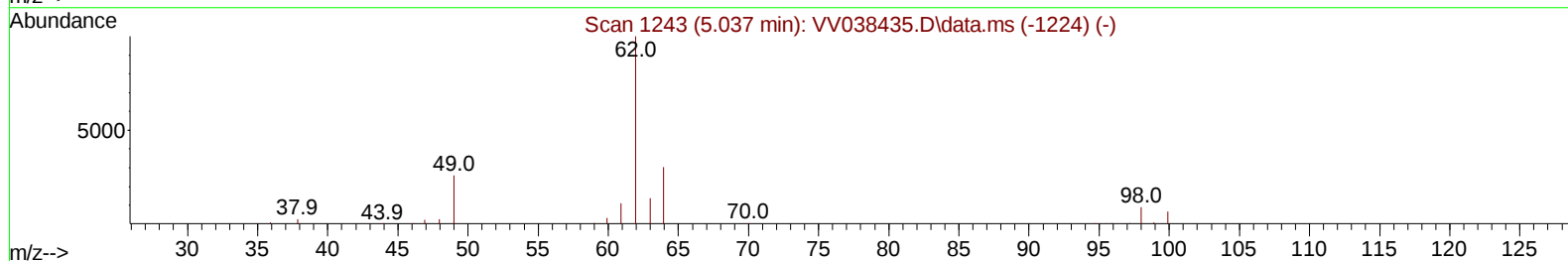
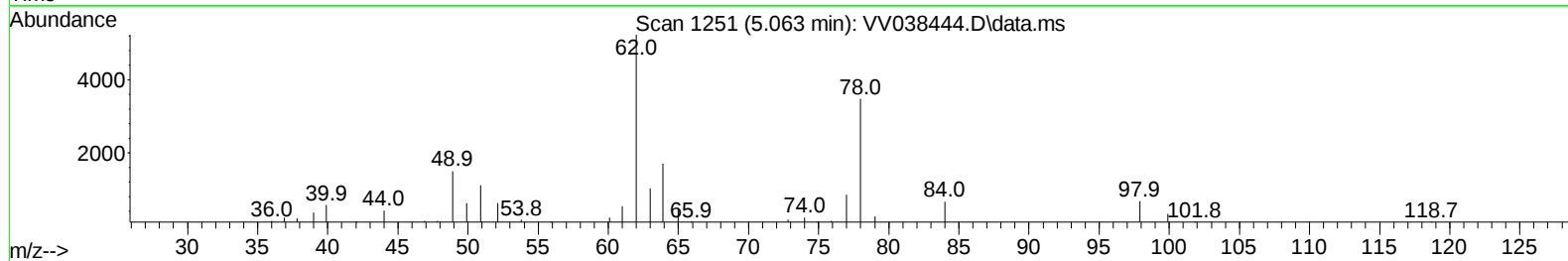
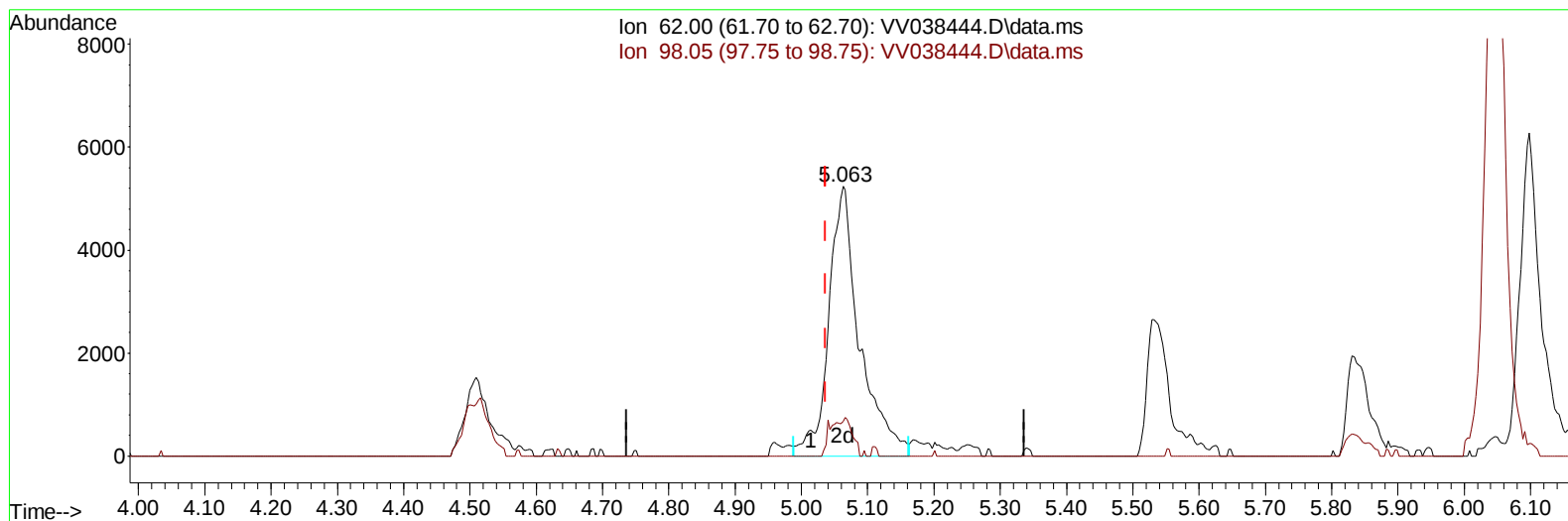
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 Acq On : 06 Dec 2024 18:11
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC005EC

Manual IntegrationsAPPROVED

Quant Time: Dec 06 22:58:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR11924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 06 21:32:44 2024
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024



TIC: VV038444.D\data.ms

(27) 1,2-Dichloroethane (T)

5.063min (+ 0.026) 1.24 ug/L m

response 16928

Ion	Exp%	Act%
62.00	100.00	100.00
98.05	10.30	12.95#
0.00	0.00	0.00
0.00	0.00	0.00

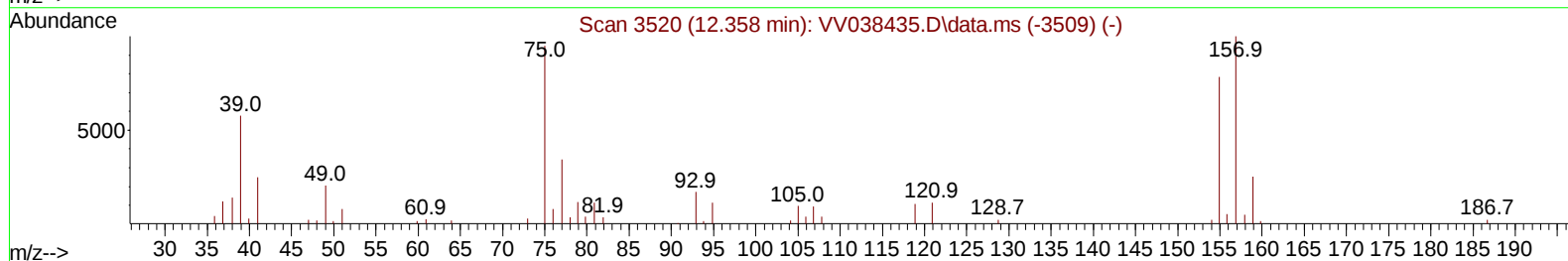
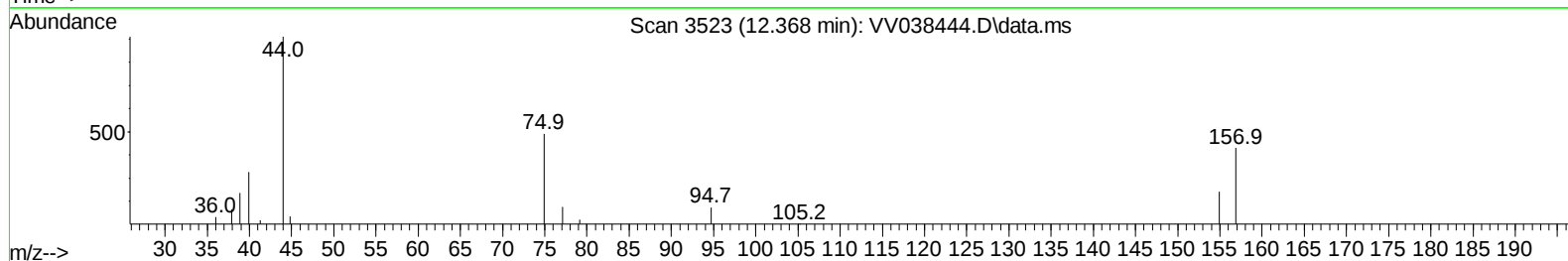
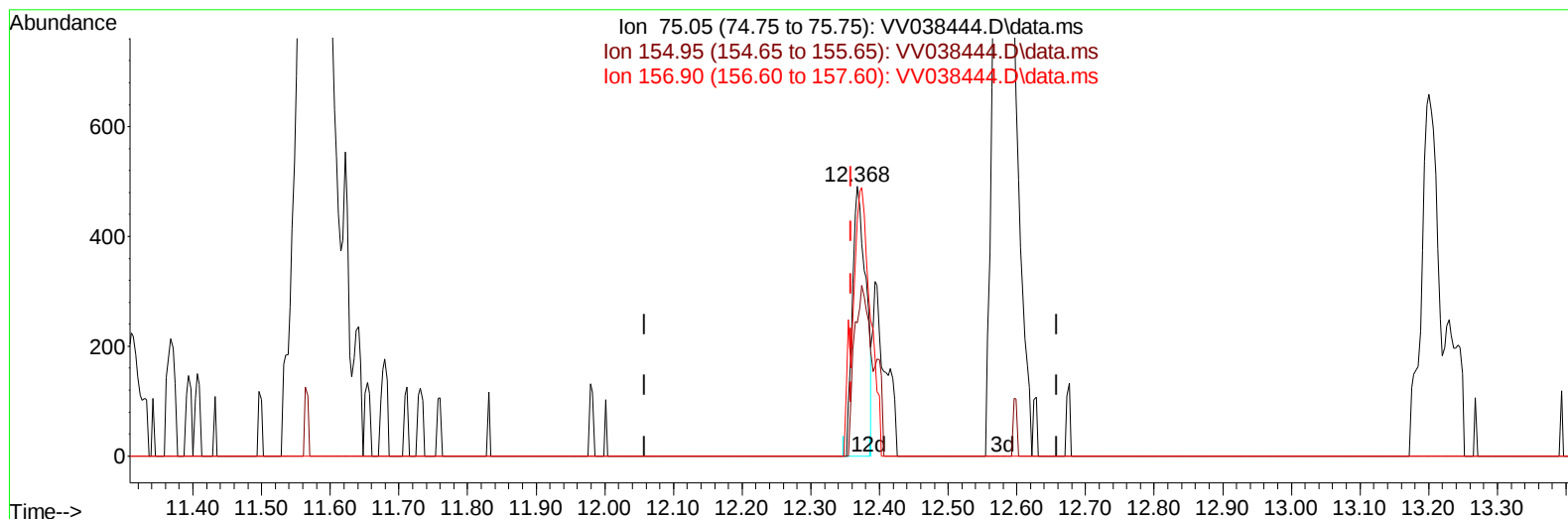
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 Data File : VV038444.D
 Acq On : 06 Dec 2024 18:11
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC005EC

Manual IntegrationsAPPROVED

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR11924WMA.M
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TIC: VV038444.D\data.ms

(68) 1,2-Dibromo-3-chloropropane (T)

12.368min (+ 0.009) 0.67 ug/L

response 675

Ion	Exp%	Act%
75.05	100.00	100.00
154.95	84.40	49.49#
156.90	103.40	87.58
0.00	0.00	0.00

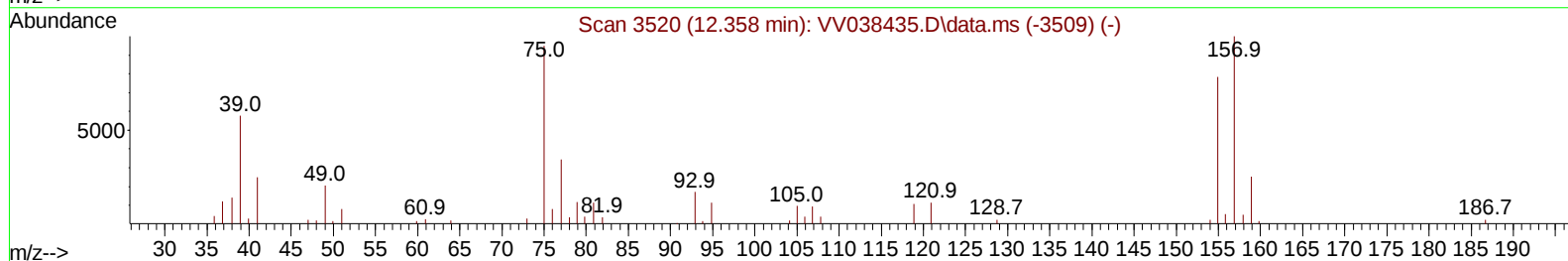
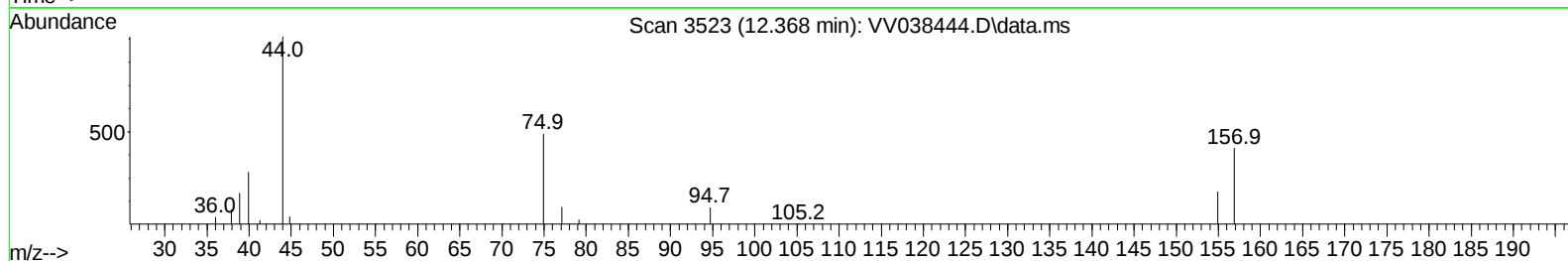
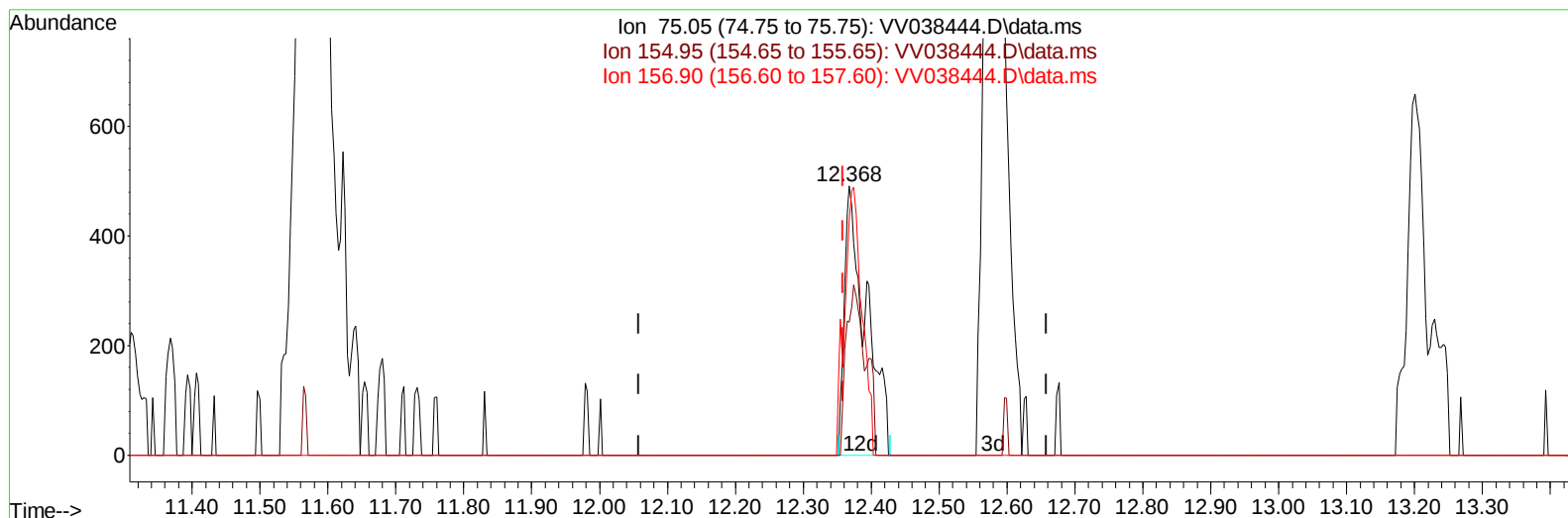
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Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC005EC

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Quant Time: Dec 06 22:58:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR11924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 06 21:32:44 2024
Response via : Initial Calibration



TIC: VV038444.D\data.ms

(68) 1,2-Dibromo-3-chloropropane (T)

12.368min (+ 0.009) 1.07 ug/L m

response 1080

Ion	Exp%	Act%
75.05	100.00	100.00
154.95	84.40	49.49#
156.90	103.40	87.58
0.00	0.00	0.00

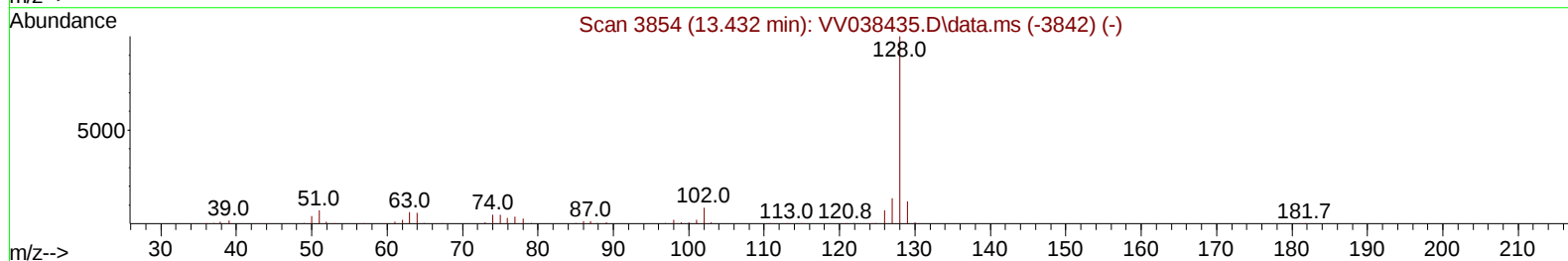
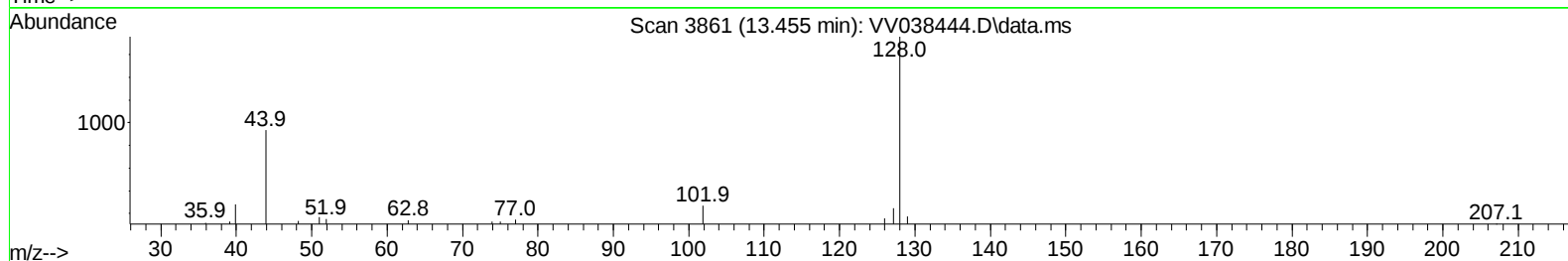
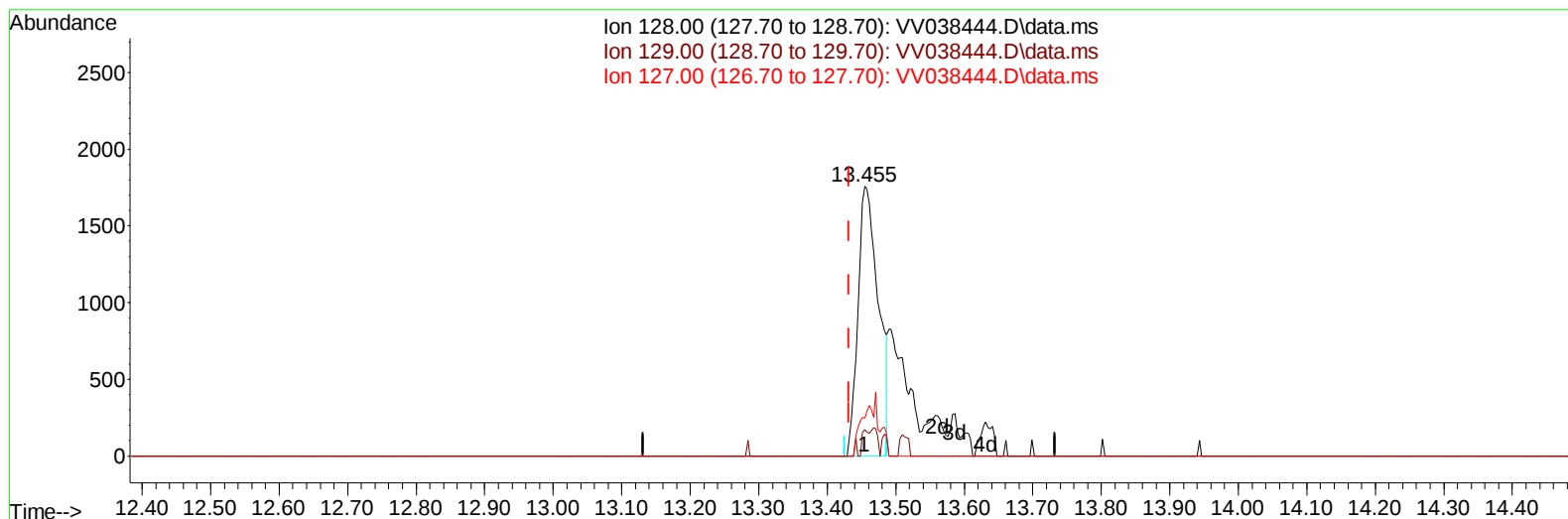
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Manual IntegrationsAPPROVED

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 QLast Update : Fri Dec 06 21:32:44 2024
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024



TIC: VV038444.D\data.ms

(71) Naphthalene

13.455min (+ 0.022) 0.25 ug/L

response 3643

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	10.60	3.32#
127.00	12.60	0.00#
0.00	0.00	0.00

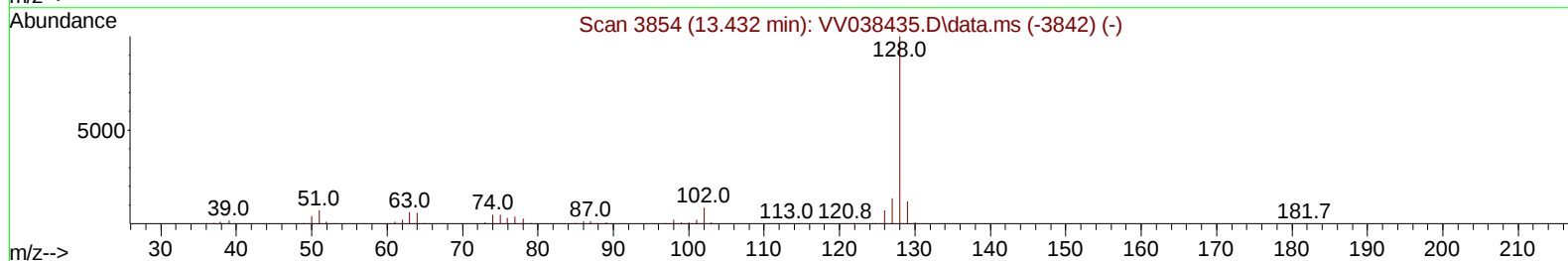
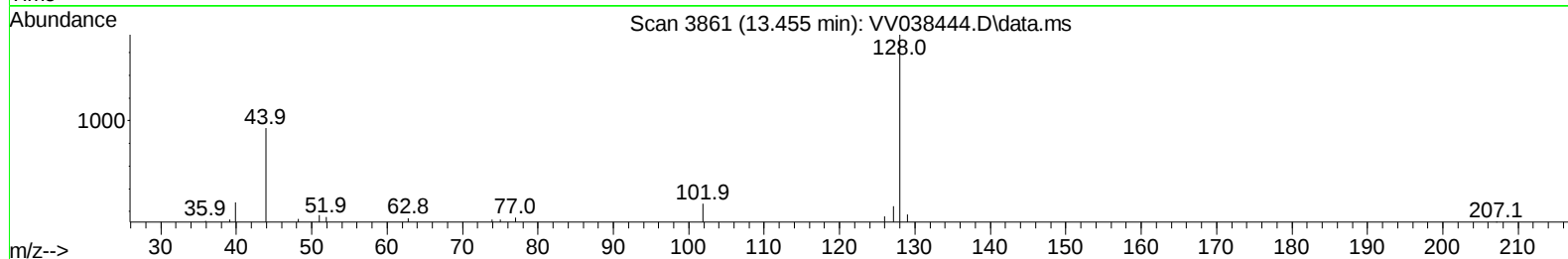
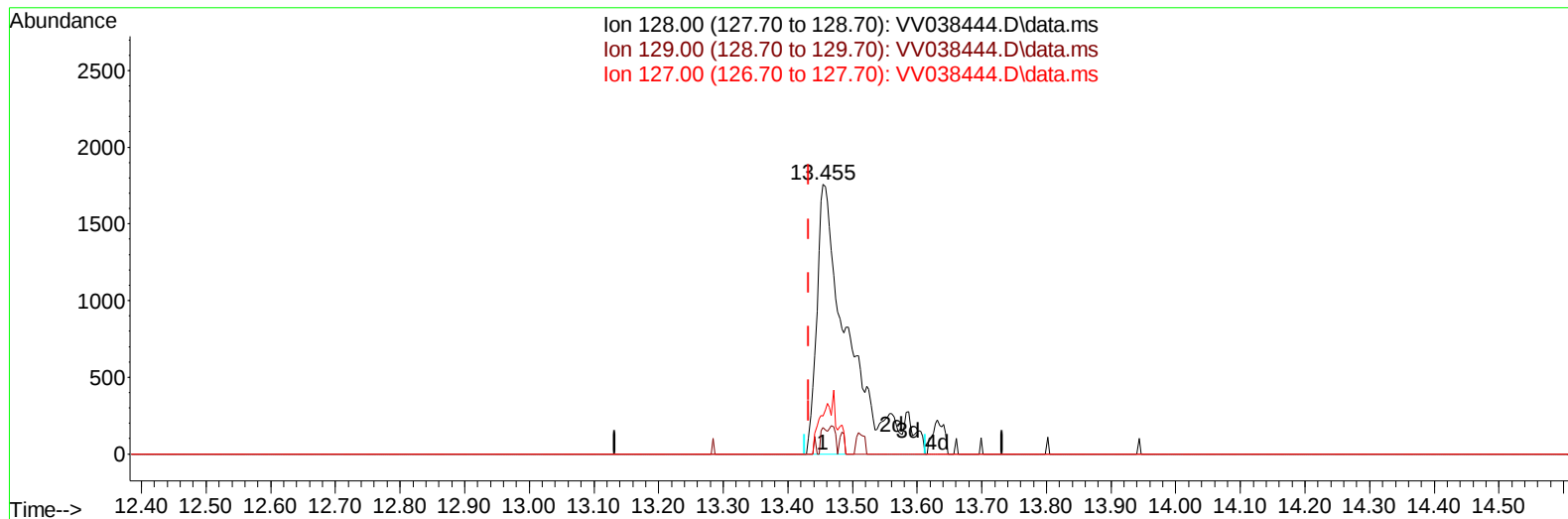
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120724\
Data File : VV038444.D
Acq On : 06 Dec 2024 18:11
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC005EC

Manual IntegrationsAPPROVED

Quant Time: Dec 06 22:58:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR11924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 06 21:32:44 2024
Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



TIC: VV038444.D\data.ms

(71) Naphthalene

13.455min (+ 0.022) 0.40 ug/L m

response 6010

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	10.60	2.01#
127.00	12.60	0.00#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120724\
 Data File : VV038444.D
 Acq On : 06 Dec 2024 18:11
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC005EC

Manual IntegrationsAPPROVED

Quant Time: Dec 06 22:58:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 06 21:32:44 2024
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	172188	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	136663	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	52734	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	42472	3.218	ug/L	0.00
Spiked Amount 5.000	Range 40	- 130	Recovery	=	64.400%	
7) Chloroethane-d5	1.535	69	29141	2.730	ug/L	0.00
Spiked Amount 5.000	Range 65	- 130	Recovery	=	54.600%#	
11) 1,1-Dichloroethene-d2	2.063	65	18129	3.192	ug/L	0.01
Spiked Amount 5.000	Range 60	- 125	Recovery	=	63.800%	
20) 2-Butanone-d5	3.886	46	14557m	5.514	ug/L	0.06
Spiked Amount 50.000	Range 40	- 130	Recovery	=	11.020%#	
24) Chloroform-d	4.256	84	44541	1.739	ug/L	0.02
Spiked Amount 5.000	Range 70	- 125	Recovery	=	34.800%#	
26) 1,2-Dichloroethane-d4	4.960	65	11975	1.042	ug/L	0.02
Spiked Amount 5.000	Range 70	- 130	Recovery	=	20.800%#	
32) Benzene-d6	4.963	84	83199	2.355	ug/L	0.01
Spiked Amount 5.000	Range 70	- 125	Recovery	=	47.200%#	
36) 1,2-Dichloropropane-d6	5.995	67	17720	1.630	ug/L	0.01
Spiked Amount 5.000	Range 60	- 140	Recovery	=	32.600%#	
41) Toluene-d8	7.246	98	66962	2.049	ug/L	0.01
Spiked Amount 5.000	Range 70	- 130	Recovery	=	41.000%#	
43) trans-1,3-Dichloroprop...	7.571	79	3878	0.960	ug/L	0.02
Spiked Amount 5.000	Range 55	- 130	Recovery	=	19.200%#	
46) 2-Hexanone-d5	8.053	63	3963	2.523	ug/L	0.03
Spiked Amount 50.000	Range 45	- 130	Recovery	=	5.040%#	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	8195	0.888	ug/L	0.00
Spiked Amount 5.000	Range 65	- 120	Recovery	=	17.800%#	
66) 1,2-Dichlorobenzene-d4	11.561	152	14218	1.582	ug/L	0.00
Spiked Amount 5.000	Range 80	- 120	Recovery	=	31.600%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.111	85	51671	3.172	ug/L	99
3) Chloromethane	1.217	50	43764	3.120	ug/L	98
5) Vinyl chloride	1.285	62	47921	3.015	ug/L #	53
6) Bromomethane	1.490	94	21470	3.464	ug/L	97
8) Chloroethane	1.552	64	77829m	7.684	ug/L	
9) Trichlorofluoromethane	1.715	101	72112	3.188	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	44688	3.461	ug/L	96
12) 1,1-Dichloroethene	2.072	96	35263	2.867	ug/L	88
13) Acetone	2.121	43	17338	8.879	ug/L	93
14) Carbon disulfide	2.243	76	105712	2.668	ug/L	99
15) Methyl Acetate	2.397	43	4057	0.856	ug/L #	87
16) Methylene chloride	2.449	84	20825	1.485	ug/L	88
17) Methyl tert-butyl Ether	2.709	73	24369	0.876	ug/L	97
18) trans-1,2-Dichloroethene	2.699	96	30513	2.355	ug/L	98
19) 1,1-Dichloroethane	3.114	63	53593	2.279	ug/L	99
21) 2-Butanone	3.928	43	16223m	5.789	ug/L	
22) cis-1,2-Dichloroethene	3.825	96	20955	1.564	ug/L	96
23) Bromochloromethane	4.162	128	7605	1.163	ug/L	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120724\
 Data File : VV038444.D
 Acq On : 06 Dec 2024 18:11
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC005EC

Manual IntegrationsAPPROVED

Quant Time: Dec 06 22:58:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 06 21:32:44 2024
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.278	83	47911	1.904	ug/L	97
27) 1,2-Dichloroethane	5.063	62	16928m	1.237	ug/L	
29) 1,1,1-Trichloroethane	4.510	97	63224	3.857	ug/L	97
30) Cyclohexane	4.580	56	46388	3.412	ug/L	98
31) Carbon tetrachloride	4.735	117	58728	4.062	ug/L	98
33) Benzene	5.014	78	97633	2.543	ug/L	100
34) Trichloroethene	5.838	95	32124	3.070	ug/L	97
35) Methylcyclohexane	6.047	83	51372	3.470	ug/L	94
37) 1,2-Dichloropropane	6.095	63	19248	2.002	ug/L	99
38) Bromodichloromethane	6.439	83	24890	1.926	ug/L	97
39) cis-1,3-Dichloropropene	6.966	75	18748	1.397	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	36433	7.239	ug/L #	93
42) Toluene	7.317	91	91622	2.254	ug/L	100
44) trans-1,3-Dichloropropene	7.596	75	12781	1.127	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	10652	1.366	ug/L	95
47) Tetrachloroethene	7.902	164	28389	3.376	ug/L	96
48) 2-Hexanone	8.088	43	23332	6.393	ug/L #	81
49) Dibromochloromethane	8.172	129	12180	1.433	ug/L	94
50) 1,2-Dibromoethane	8.291	107	8389	1.160	ug/L #	94
51) Chlorobenzene	8.815	112	54046	1.929	ug/L	98
52) Ethylbenzene	8.943	91	99587	2.309	ug/L	100
53) m,p-Xylene	9.072	106	34070	2.093	ug/L	94
54) o-Xylene	9.474	106	29689	1.874	ug/L	94
55) Styrene	9.500	104	38583	1.381	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	9696	1.063	ug/L	97
59) Bromoform	9.667	173	4831	1.574	ug/L #	94
60) Isopropylbenzene	9.863	105	107017	3.523	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	6536	1.448	ug/L	92
62) 1,3,5-Trimethylbenzene	10.471	105	68668	2.849	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	55278	2.300	ug/L	97
64) 1,3-Dichlorobenzene	11.117	146	33998	2.085	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	31887	1.934	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	25041	1.659	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	1080m	1.066	ug/L	
69) 1,3,5-Trichlorobenzene	12.580	180	20916	1.810	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	8595	0.900	ug/L	96
71) Naphthalene	13.455	128	6010m	0.405	ug/L	
72) 1,2,3-Trichlorobenzene	13.683	180	5016	0.568	ug/L	95

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

