

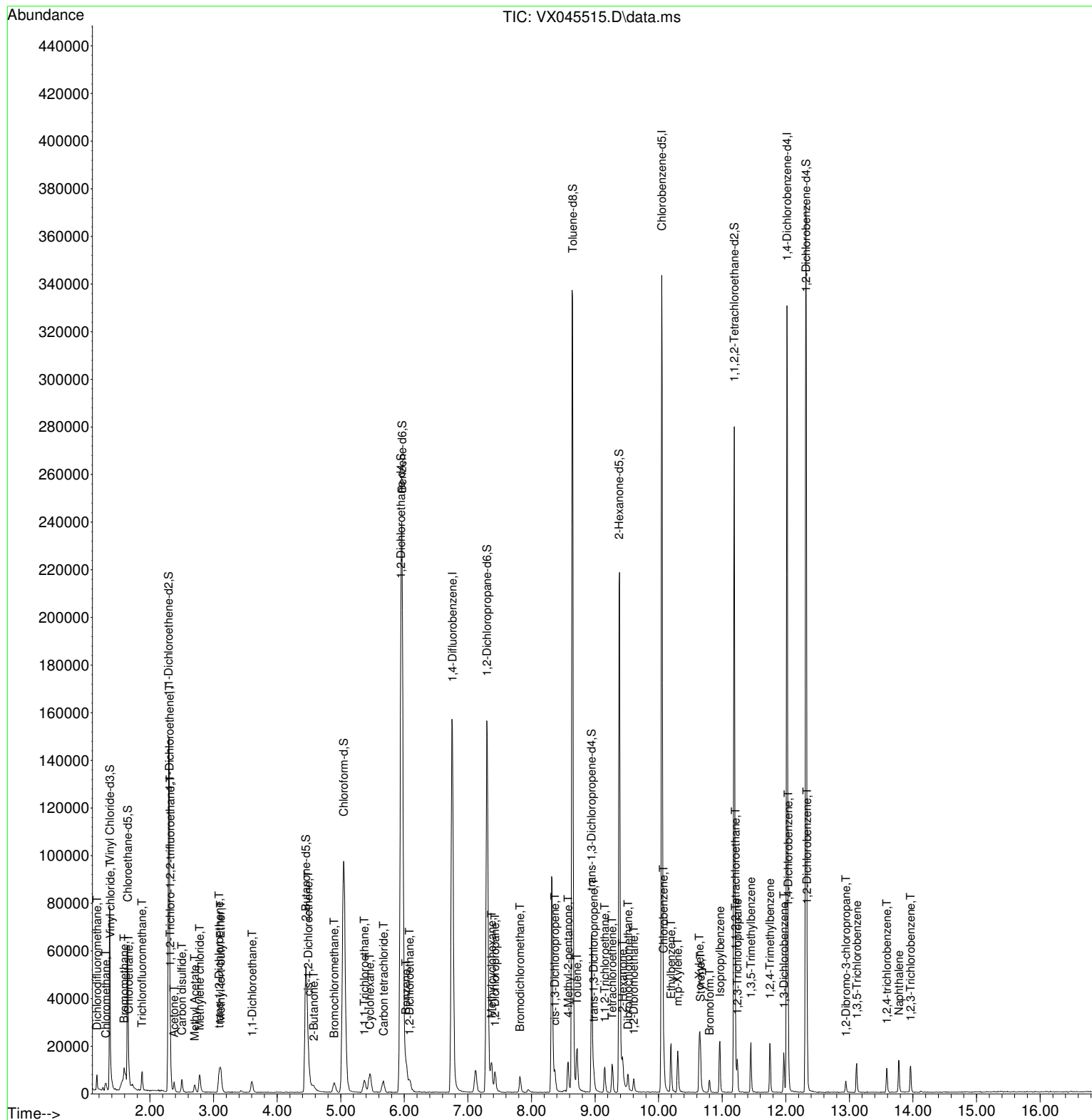
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033125\
Data File : VX045515.D
Acq On : 31 Mar 2025 12:18
Operator : JC/MD
Sample : Q1546-05
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2025-01

Manual IntegrationsAPPROVED

Quant Time: Apr 07 12:13:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM032825WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 07 12:12:10 2025
Response via : Initial Calibration

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



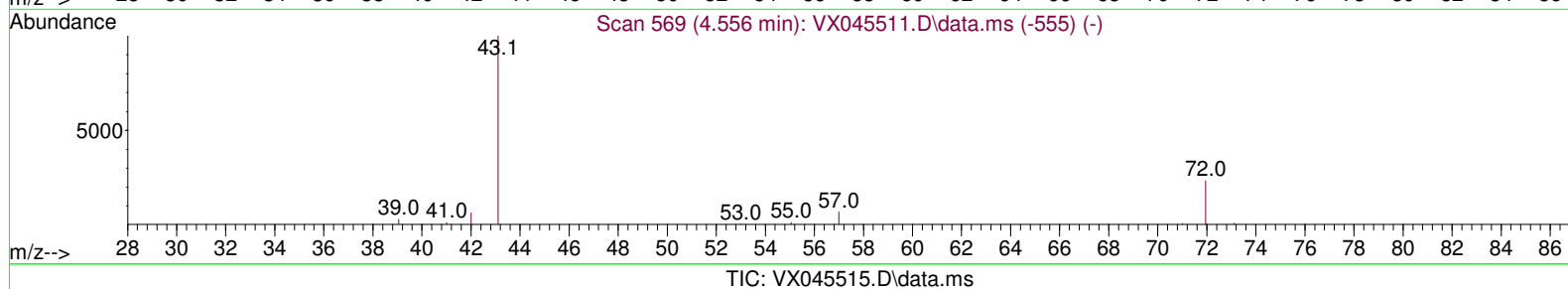
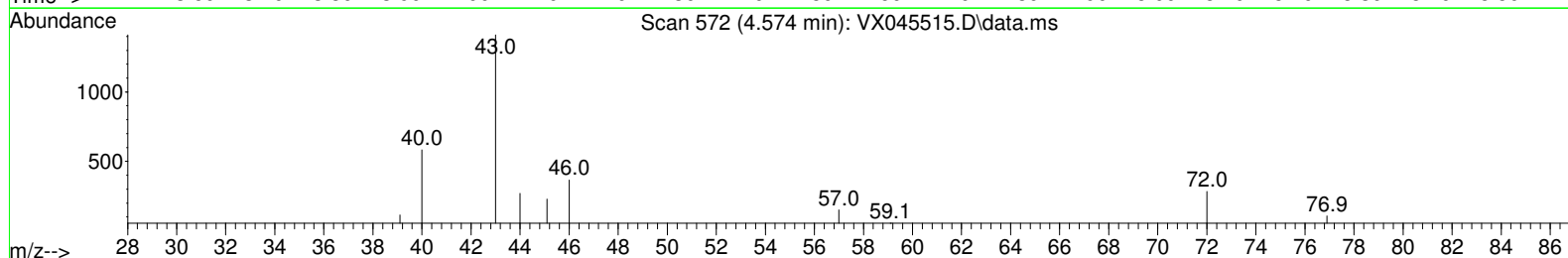
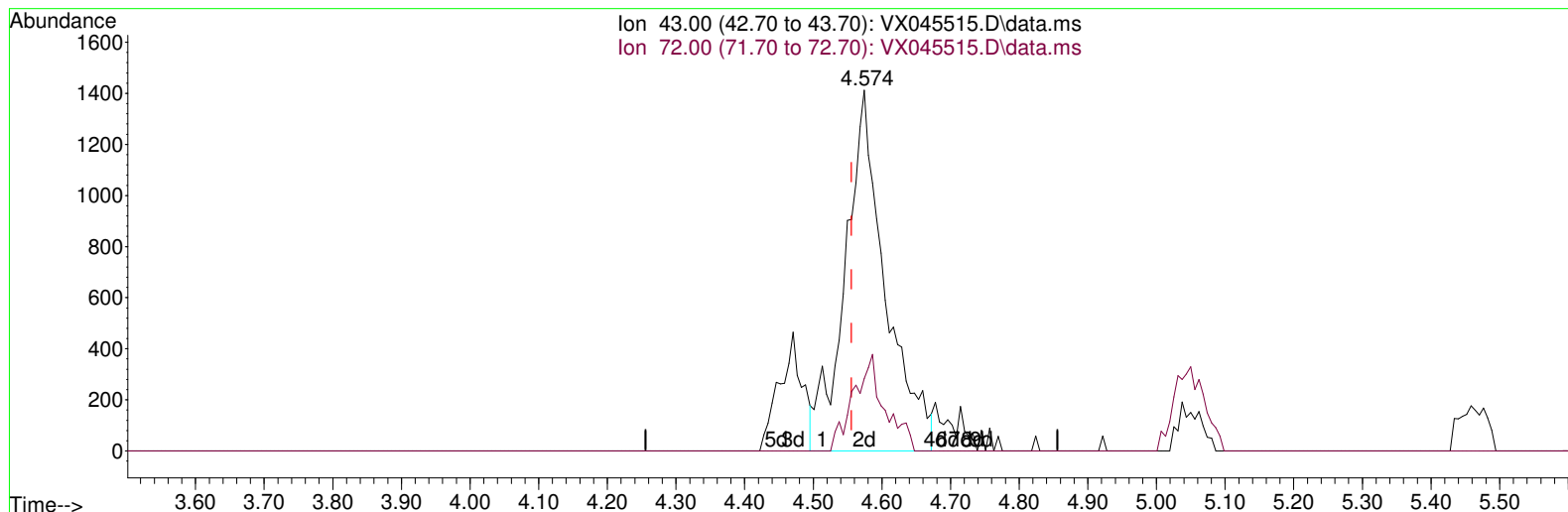
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(22) 2-Butanone (T)

4.574min (+ 0.018) 5.56 ug/L m

response 5761

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.80	1.61#
0.00	0.00	0.00
0.00	0.00	0.00

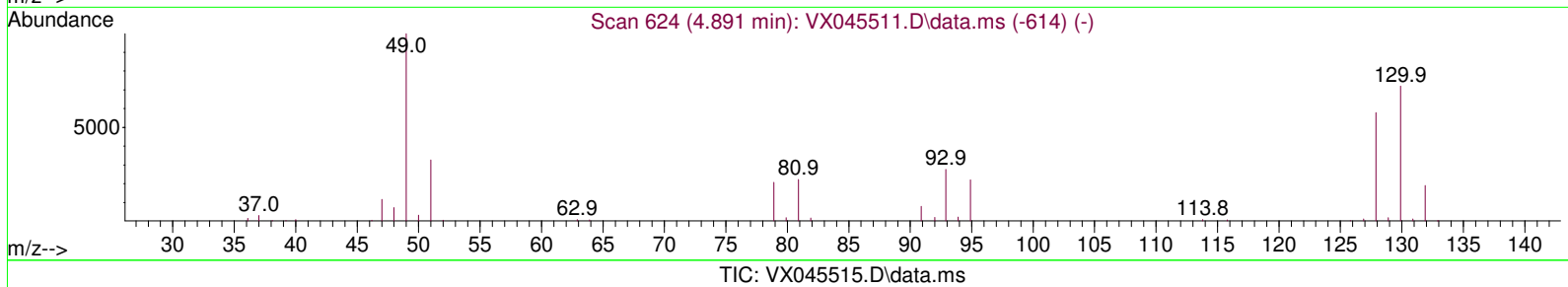
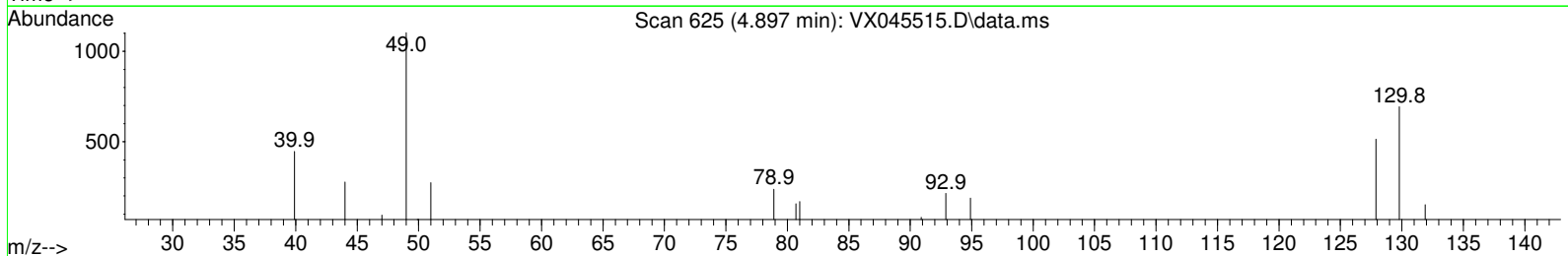
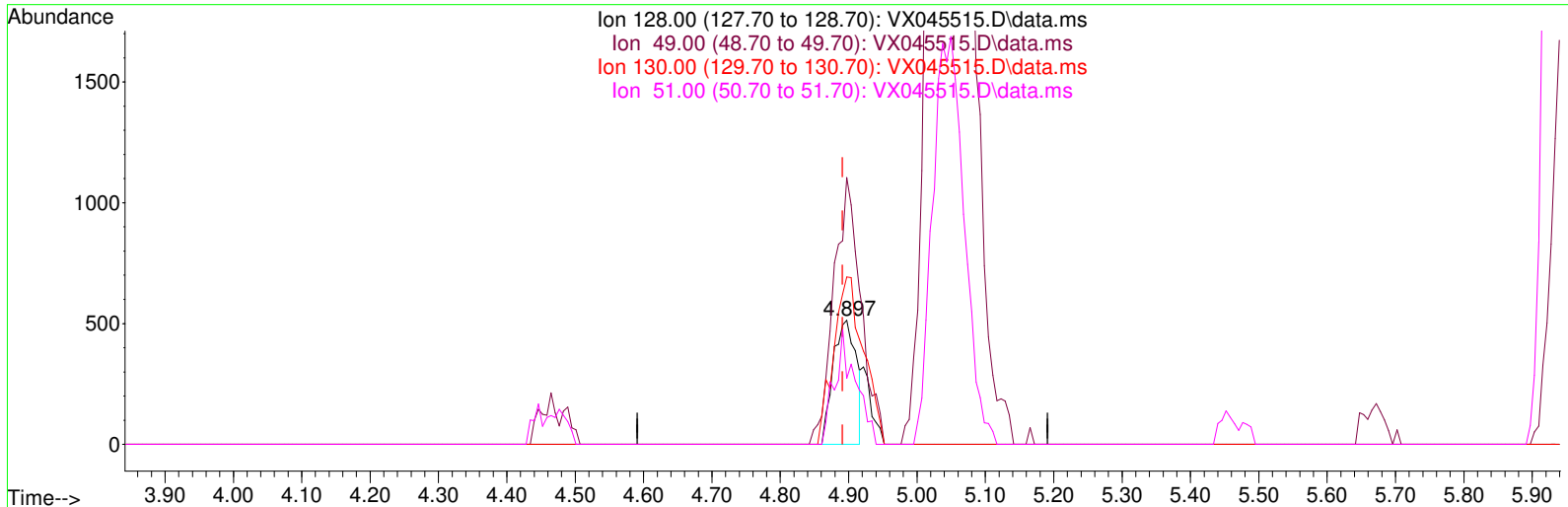
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(23) Bromochloromethane (T)

4.897min (+ 0.006) 2.02 ug/L

response 1197

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	168.00	214.79
130.00	131.50	134.82
51.00	55.30	53.31

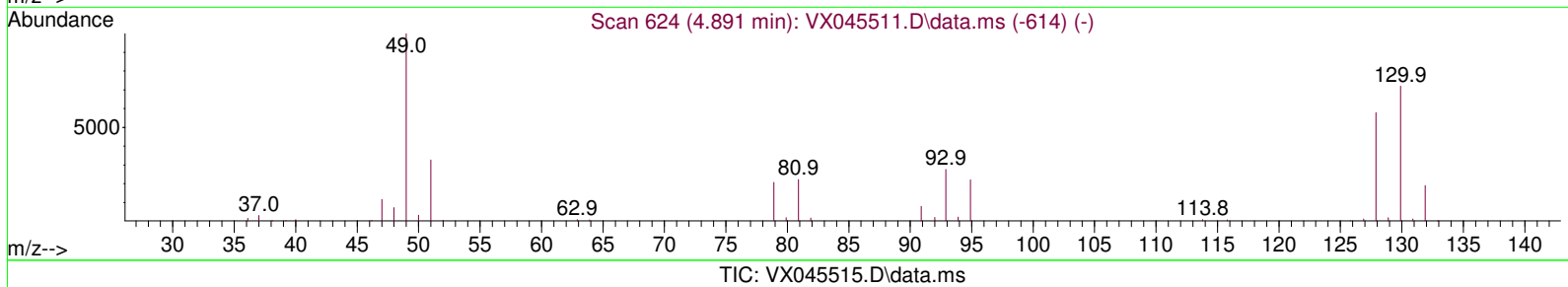
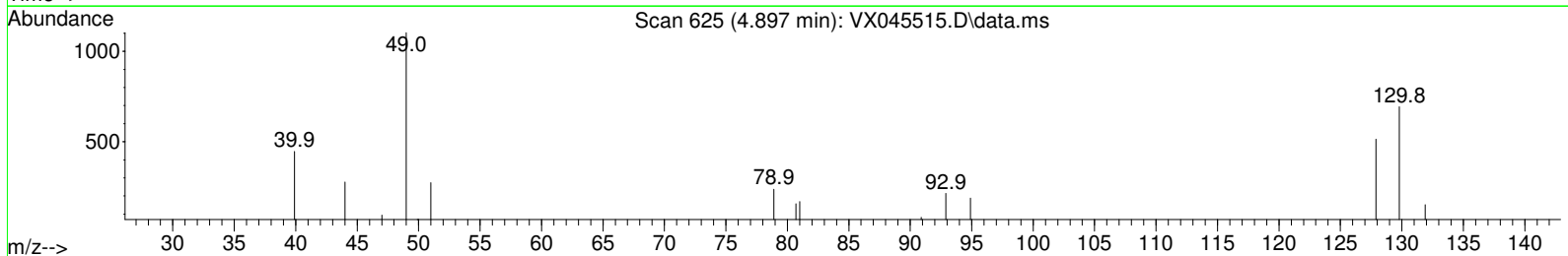
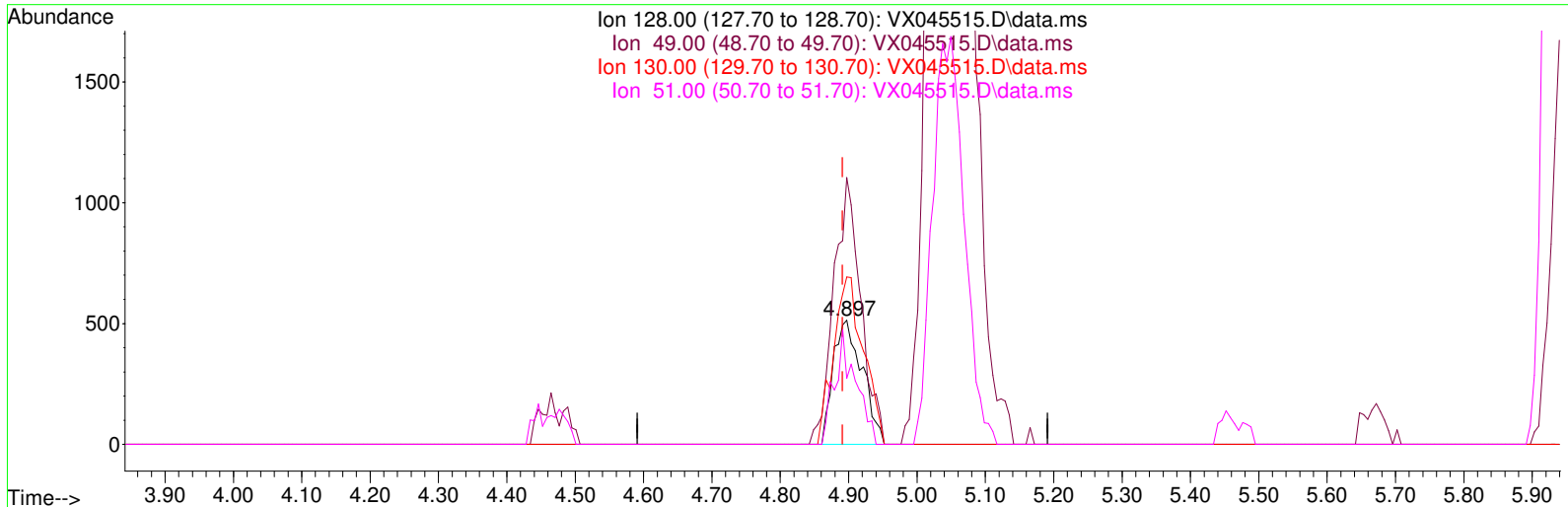
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(23) Bromochloromethane (T)

4.897min (+ 0.006) 2.56 ug/L m

response 1515

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	168.00	214.79
130.00	131.50	134.82
51.00	55.30	53.31

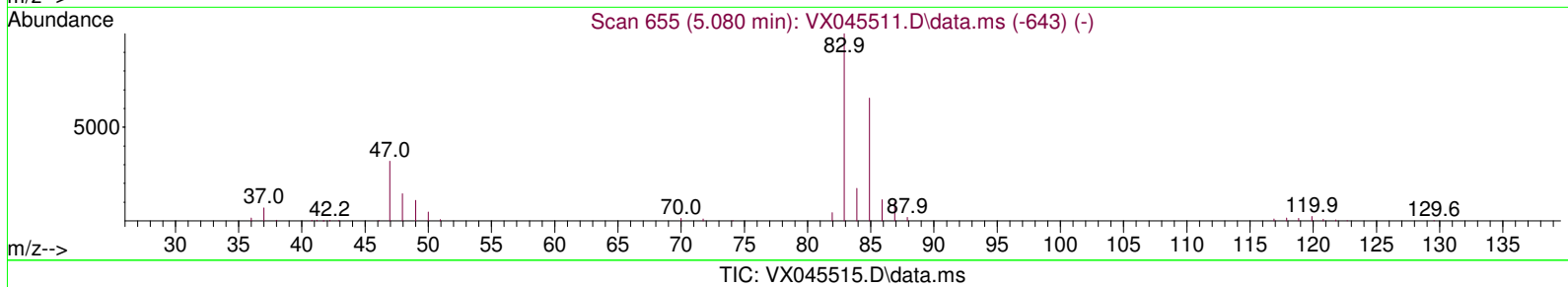
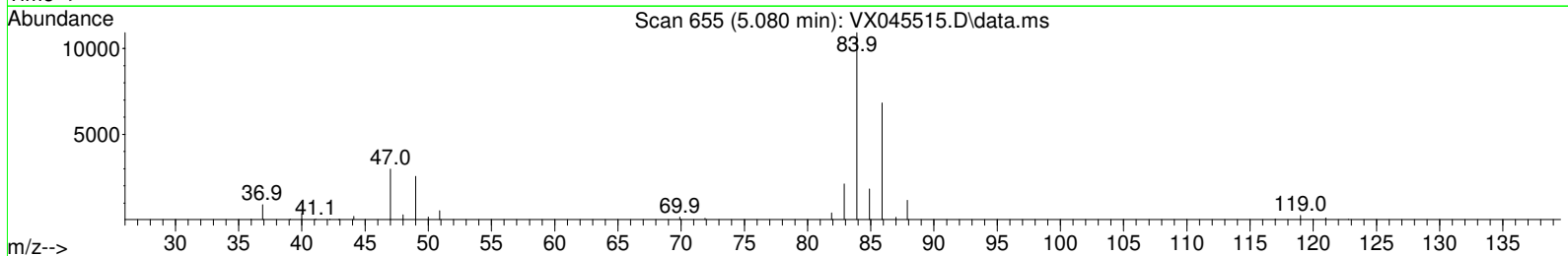
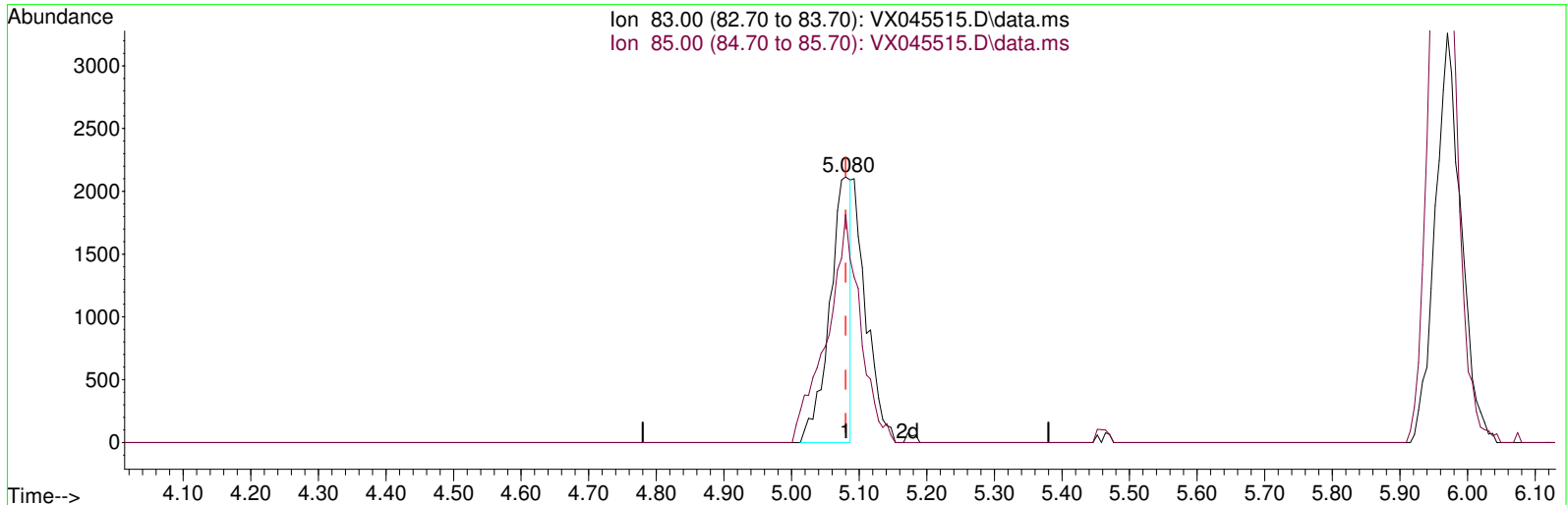
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(25) Chloroform (T)

5.080min (+ 0.000) 2.01 ug/L

response 4567

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	64.80	85.82#
0.00	0.00	0.00
0.00	0.00	0.00

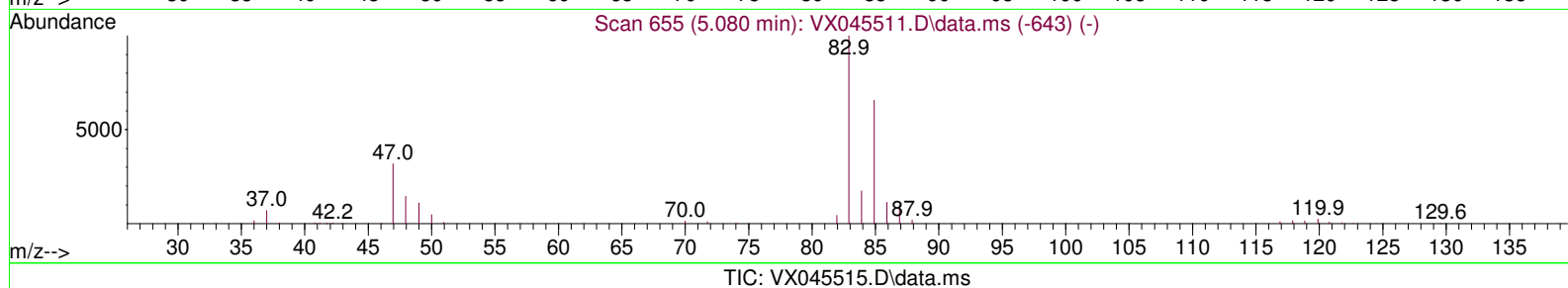
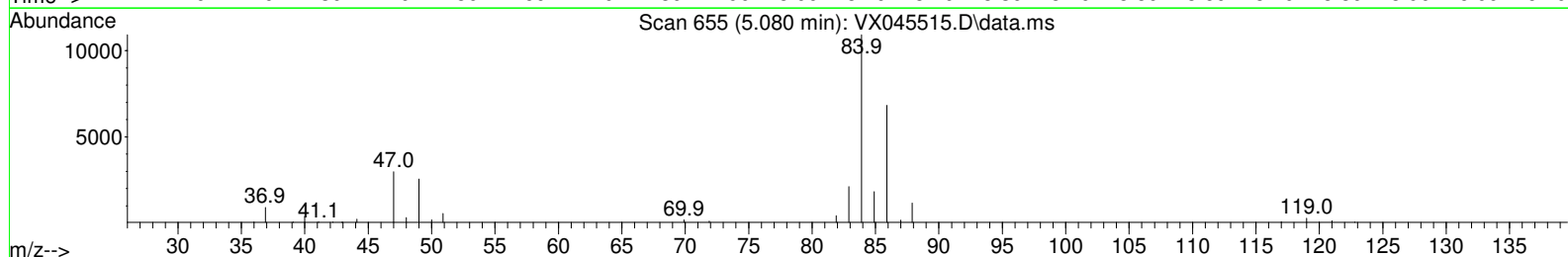
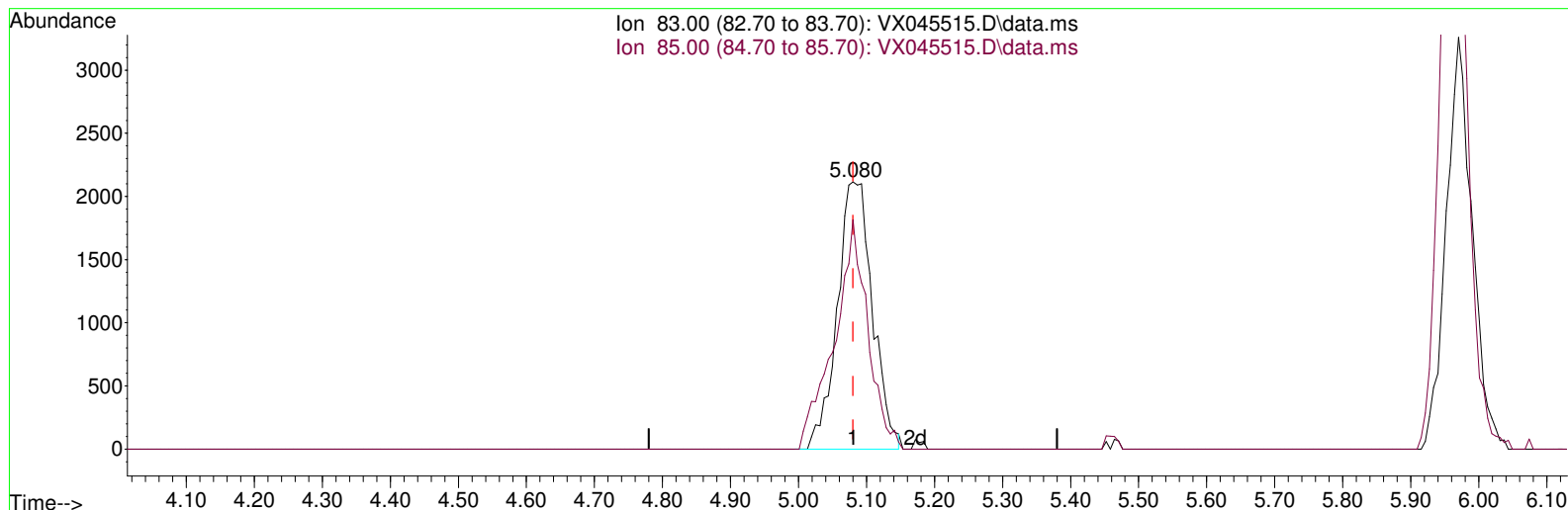
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(25) Chloroform (T)

5.080min (+ 0.000) 3.34 ug/L m

response 7597

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	64.80	85.82#
0.00	0.00	0.00
0.00	0.00	0.00

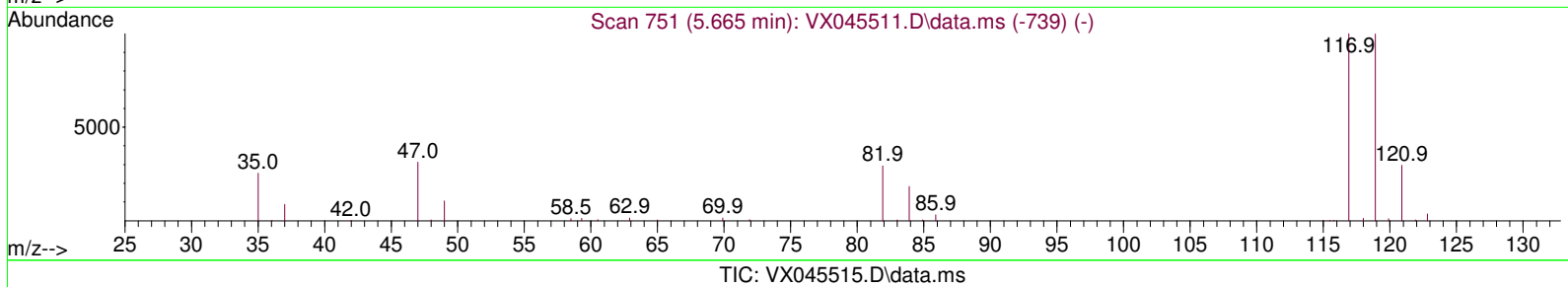
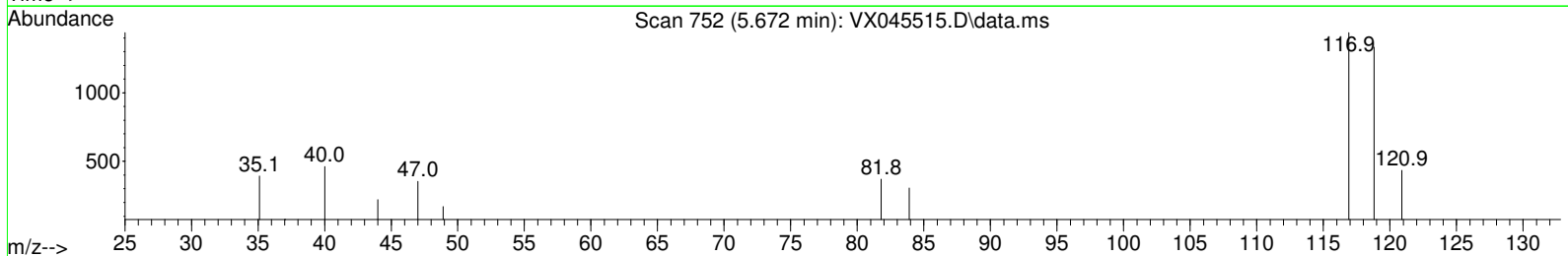
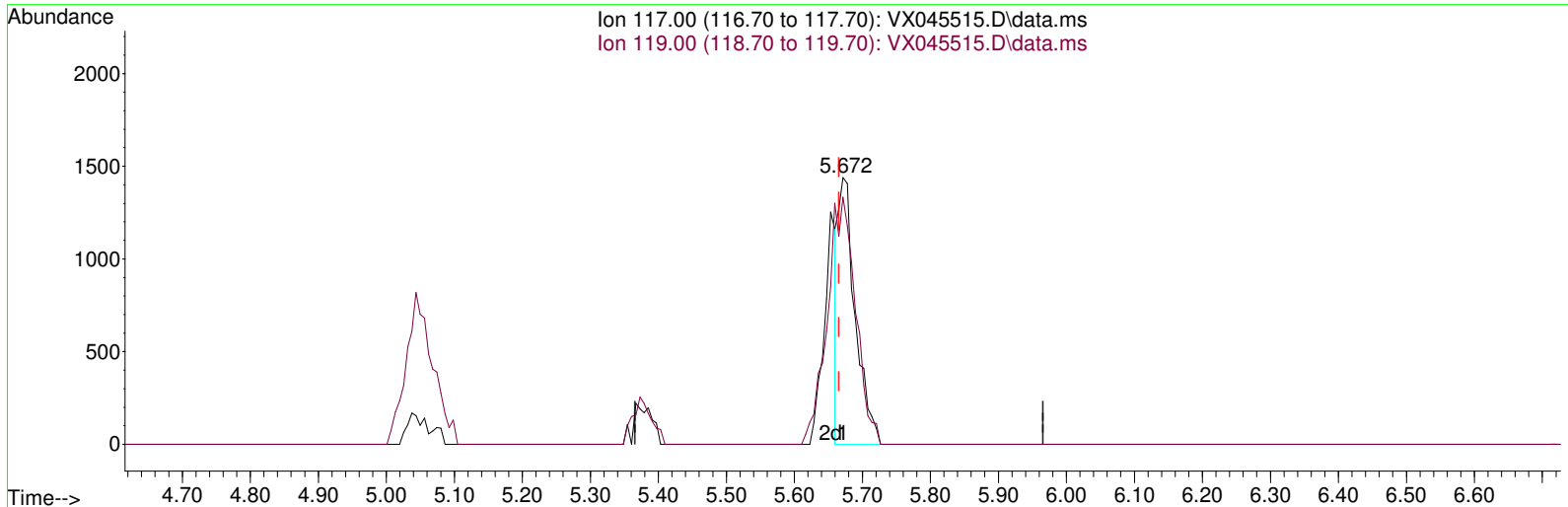
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(31) Carbon tetrachloride (T)

5.672min (+ 0.006) 1.53 ug/L

response 2520

Ion	Exp%	Act%
117.00	100.00	100.00
119.00	96.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

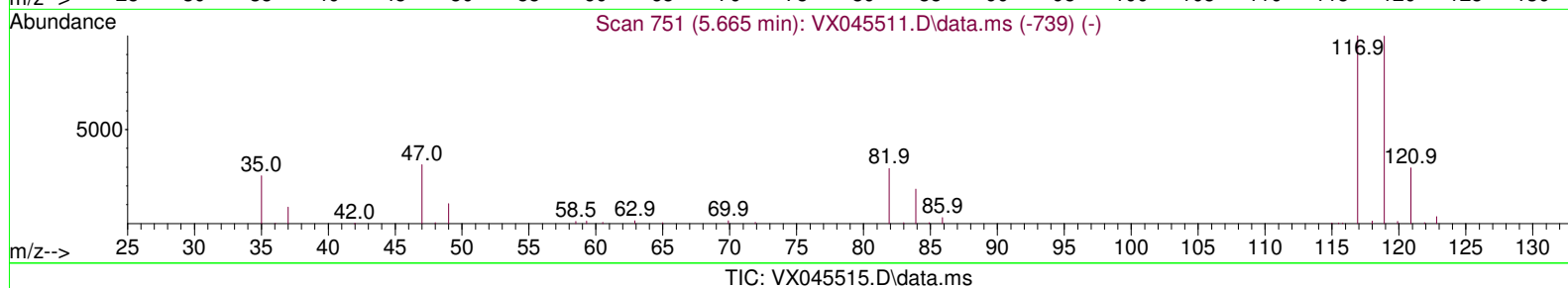
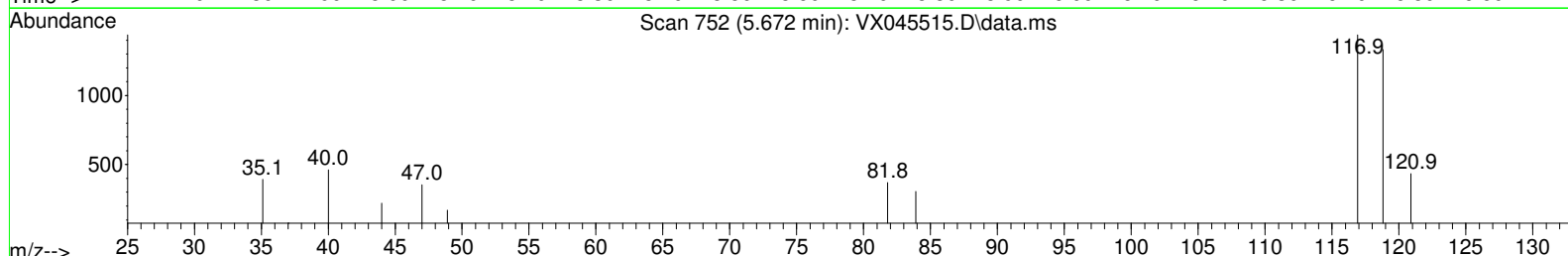
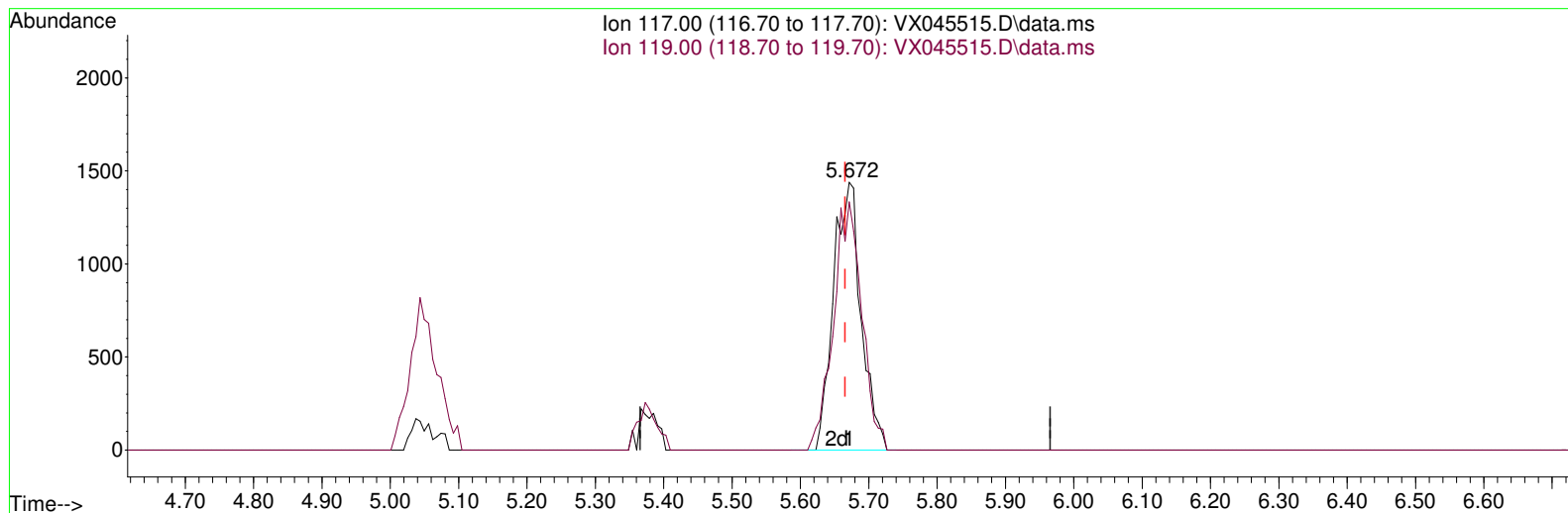
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TIC: VX045515.D\data.ms

(31) Carbon tetrachloride (T)

5.672min (+ 0.006) 2.45 ug/L m

response 4029

Ion	Exp%	Act%
117.00	100.00	100.00
119.00	96.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

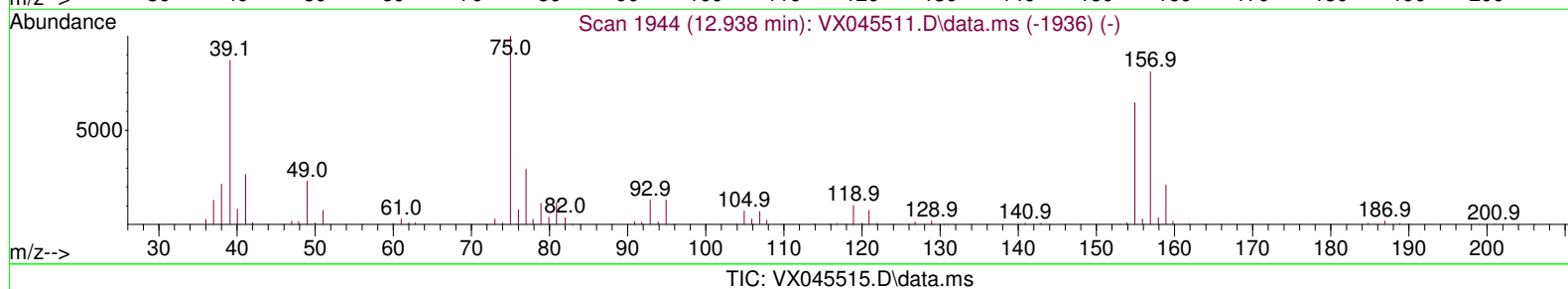
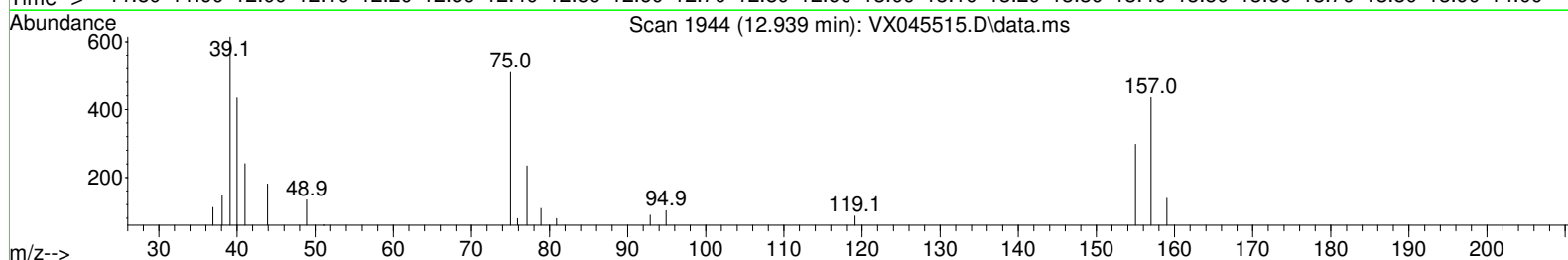
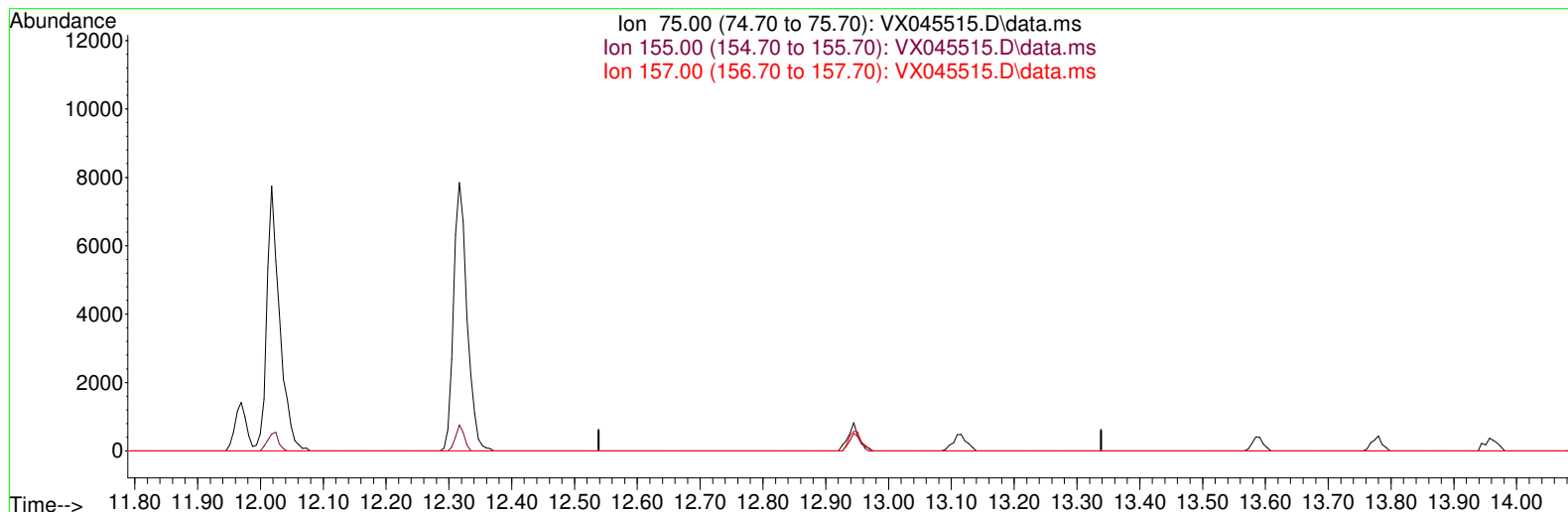
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(68) 1,2-Dibromo-3-chloropropane (T)

12.938min (-12.938) 0.00 ug/L

response 0

Ion	Exp%	Act%
75.00	100.00	0.00
155.00	78.10	0.00#
157.00	104.40	0.00#
0.00	0.00	0.00

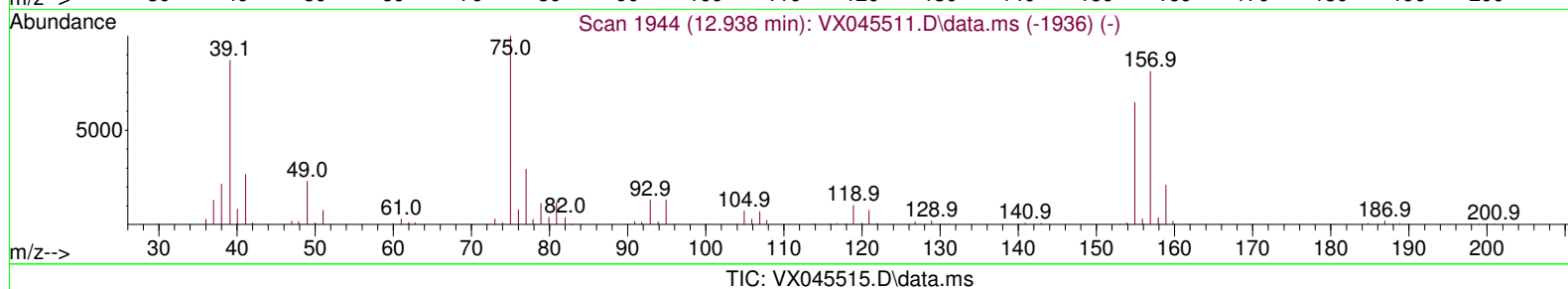
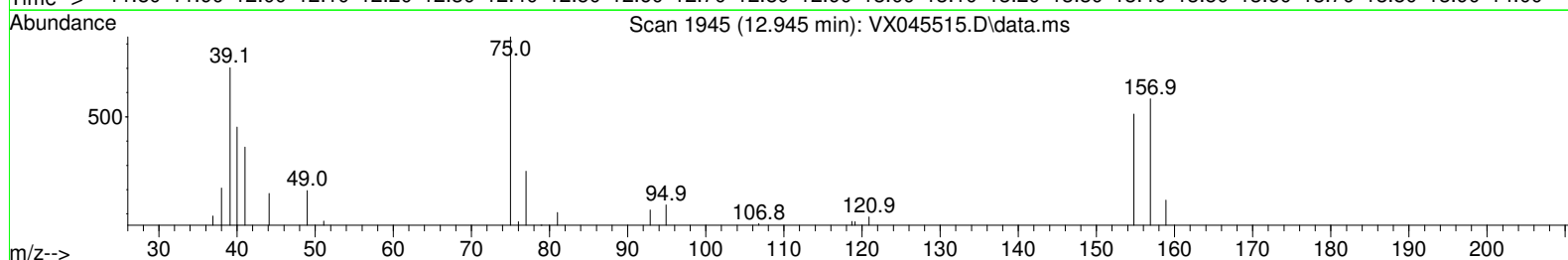
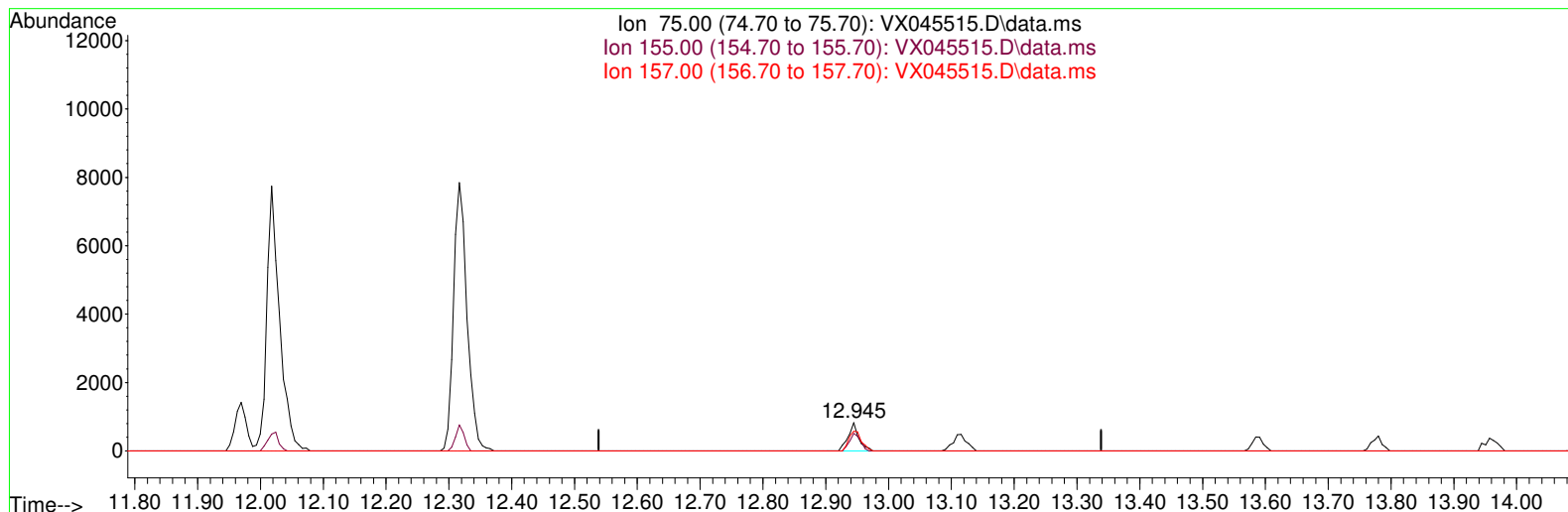
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TIC: VX045515.D\data.ms

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

12.945min (+ 0.006) 2.49 ug/L m

response 972

Ion	Exp%	Act%
75.00	100.00	100.00
155.00	78.10	61.69#
157.00	104.40	69.16#
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	151532	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	138436	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	59421	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	50288	44.381	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.760%		
7) Chloroethane-d5	1.648	69	38368	51.689	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.380%		
11) 1,1-Dichloroethene-d2	2.294	65	27341	46.310	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.620%		
21) 2-Butanone-d5	4.452	46	89050	118.129	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	118.130%		
24) Chloroform-d	5.044	84	119865	47.667	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.340%		
26) 1,2-Dichloroethane-d4	5.946	65	87869	49.947	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.900%		
32) Benzene-d6	5.964	84	222281	49.527	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.060%		
36) 1,2-Dichloropropane-d6	7.299	67	72827	50.389	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.780%		
41) Toluene-d8	8.647	98	194298	47.944	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.880%		
43) trans-1,3-Dichloroprop...	8.945	79	29351	49.459	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.920%		
47) 2-Hexanone-d5	9.378	63	62980	114.256	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	114.260%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	100160	52.207	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	104.420%		
66) 1,2-Dichlorobenzene-d4	12.317	152	66115	52.342	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	4235	2.615	ug/L	91
3) Chloromethane	1.307	50	3791	2.651	ug/L	92
5) Vinyl chloride	1.374	62	3391	2.550	ug/L	89
6) Bromomethane	1.593	94	1616	2.718	ug/L	92
8) Chloroethane	1.666	64	1822	2.741	ug/L	100
9) Trichlorofluoromethane	1.873	101	4703	2.575	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	3656	3.141	ug/L	85
12) 1,1-Dichloroethene	2.306	96	3116	2.999	ug/L #	1
13) Acetone	2.379	43	3839	5.375	ug/L	87
14) Carbon disulfide	2.501	76	6380	2.383	ug/L	97
15) Methyl Acetate	2.703	43	4053	2.857	ug/L	91
16) Methylene chloride	2.782	84	3397	2.822	ug/L	84
17) trans-1,2-Dichloroethene	3.087	96	2601	2.504	ug/L	82
18) Methyl tert-butyl Ether	3.111	73	9575	2.656	ug/L	96
19) 1,1-Dichloroethane	3.605	63	5230	2.413	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	3249	2.716	ug/L	93
22) 2-Butanone	4.574	43	5761m	5.558	ug/L	
23) Bromochloromethane	4.897	128	1515m	2.559	ug/L	
27) 1,2-Dichloroethane	6.080	62	4958	2.540	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.458	56	5255	2.504	ug/L	96
30) 1,1,1-Trichloroethane	5.373	97	4732	2.492	ug/L #	51
31) Carbon tetrachloride	5.672	117	4029m	2.447	ug/L	
33) Benzene	6.025	78	11692	2.574	ug/L	100
35) Methylcyclohexane	7.372	83	4828	2.504	ug/L	98
37) 1,2-Dichloropropane	7.427	63	3382	2.746	ug/L #	93
38) Bromodichloromethane	7.818	83	4274	2.526	ug/L	94
39) cis-1,3-Dichloropropene	8.366	75	4826	2.675	ug/L	96
40) 4-Methyl-2-pentanone	8.580	43	8712	4.620	ug/L	96
42) Toluene	8.714	91	11998	2.574	ug/L	94
44) trans-1,3-Dichloropropene	8.976	75	3430	2.041	ug/L	95
45) 1,1,2-Trichloroethane	9.153	97	2927	2.474	ug/L	96
46) Tetrachloroethene	9.268	164	2104	2.541	ug/L	98
48) 2-Hexanone	9.433	43	7699	5.416	ug/L	97
49) Dibromochloromethane	9.518	129	2905	2.461	ug/L	87
50) 1,2-Dibromoethane	9.610	107	3240	2.632	ug/L #	96
51) Chlorobenzene	10.073	112	7671	2.623	ug/L	94
52) Ethylbenzene	10.195	91	12444	2.372	ug/L	92
53) m,p-Xylene	10.299	106	4419	2.323	ug/L	95
54) o-Xylene	10.640	106	4544	2.432	ug/L	93
55) Styrene	10.658	104	6848	2.190	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.207	83	5513	2.965	ug/L	95
59) Bromoform	10.799	173	1759	2.345	ug/L #	86
60) Isopropylbenzene	10.963	105	11602	2.393	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	4001	2.761	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	9244	2.331	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	8741	2.246	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	4782	2.428	ug/L	89
65) 1,4-Dichlorobenzene	12.036	146	5390	2.744	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	5527	2.821	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	972m	2.495	ug/L	
69) 1,3,5-Trichlorobenzene	13.115	180	3038	2.436	ug/L	95
70) 1,2,4-trichlorobenzene	13.591	180	2458	2.235	ug/L	98
71) Naphthalene	13.780	128	9273	2.230	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	2976	2.633	ug/L	91

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