

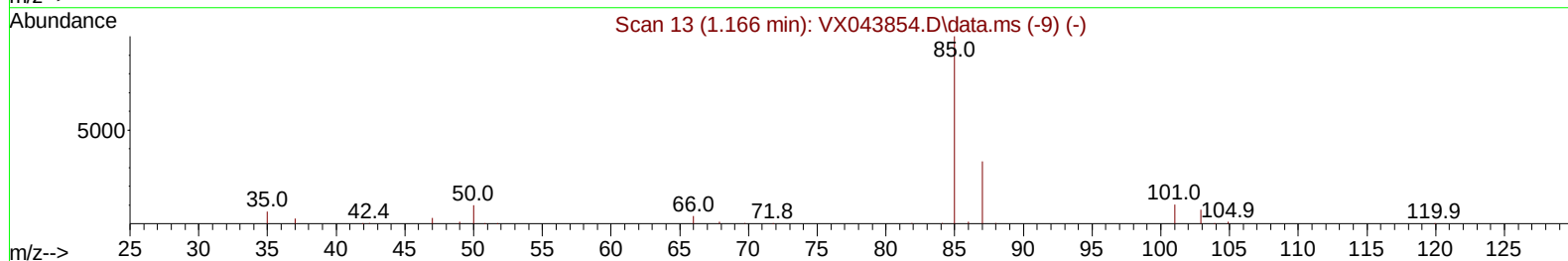
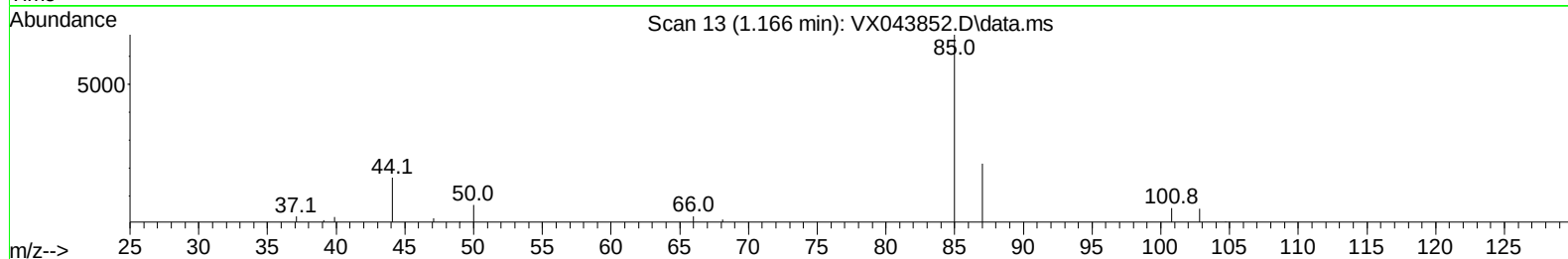
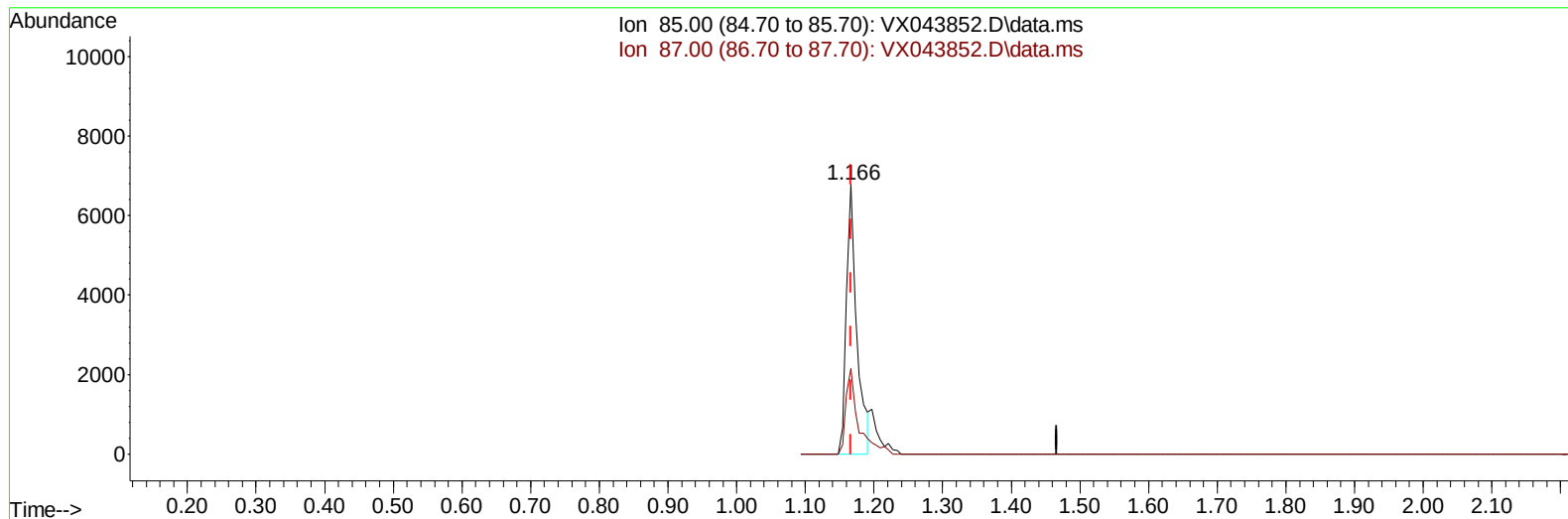
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111424\
Data File : VX043852.D
Acq On : 14 Nov 2024 14:59
Operator : JC/MD
Sample : VSTD00536
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005636

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024

Quant Time: Nov 15 02:05:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111424WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 15 02:05:35 2024
Response via : Initial Calibration



TIC: VX043852.D\data.ms

(2) Dichlorodifluoromethane (T)

1.166min (+ 0.000) 4.36 ug/L

response 7092

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.50	38.01
0.00	0.00	0.00
0.00	0.00	0.00

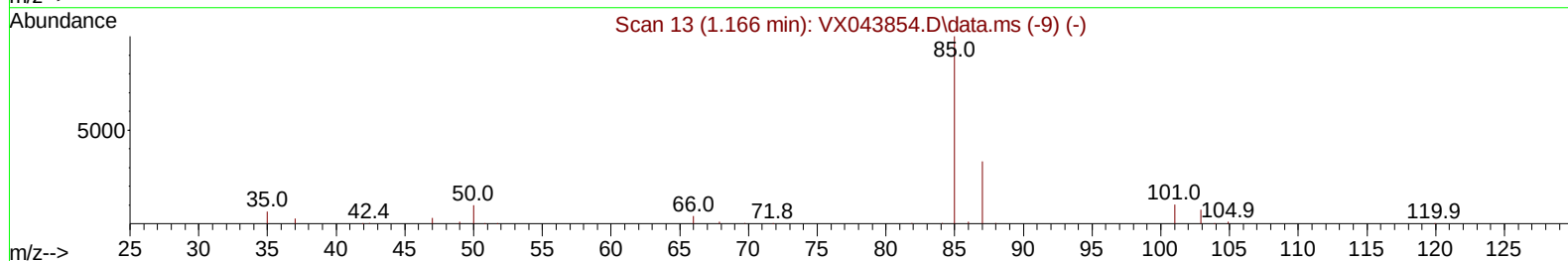
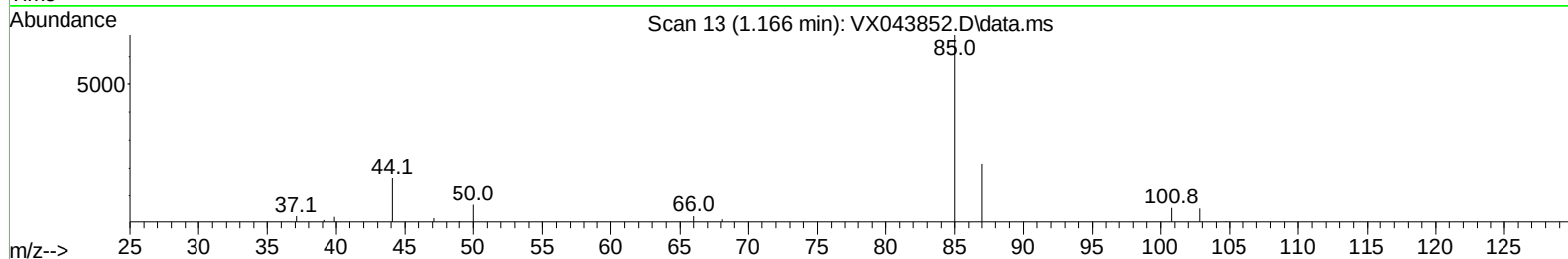
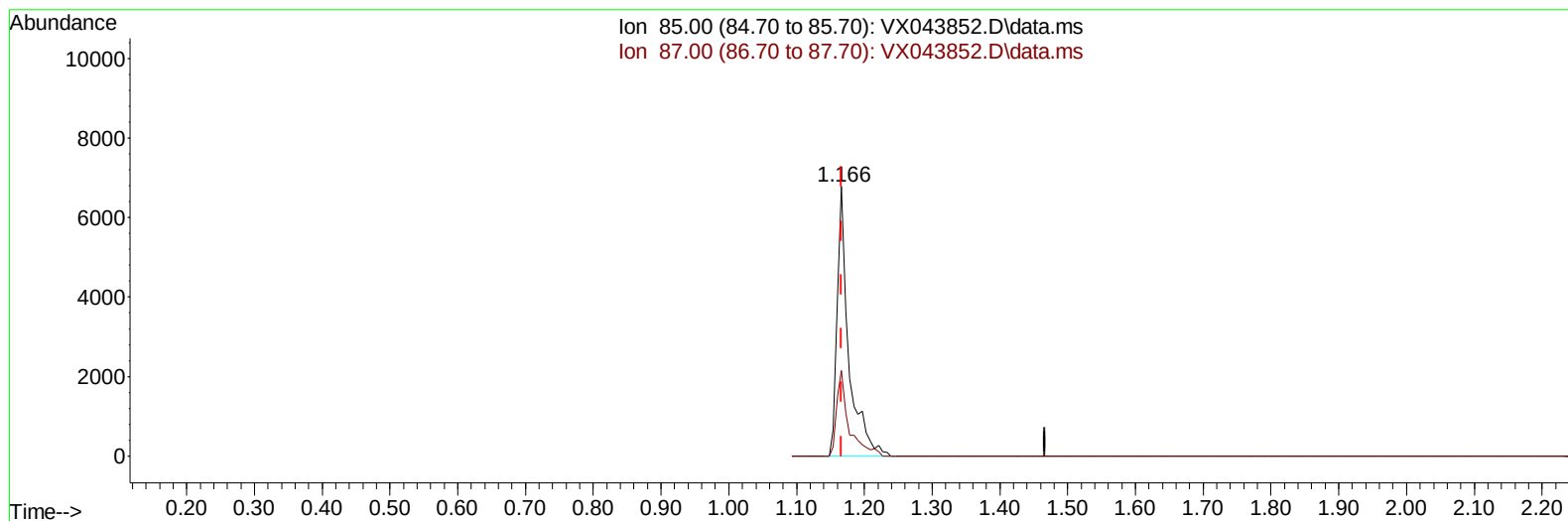
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TIC: VX043852.D\data.ms

(2) Dichlorodifluoromethane (T)

1.166min (+ 0.000) 4.97 ug/L m

response 8088

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.50	33.33
0.00	0.00	0.00
0.00	0.00	0.00

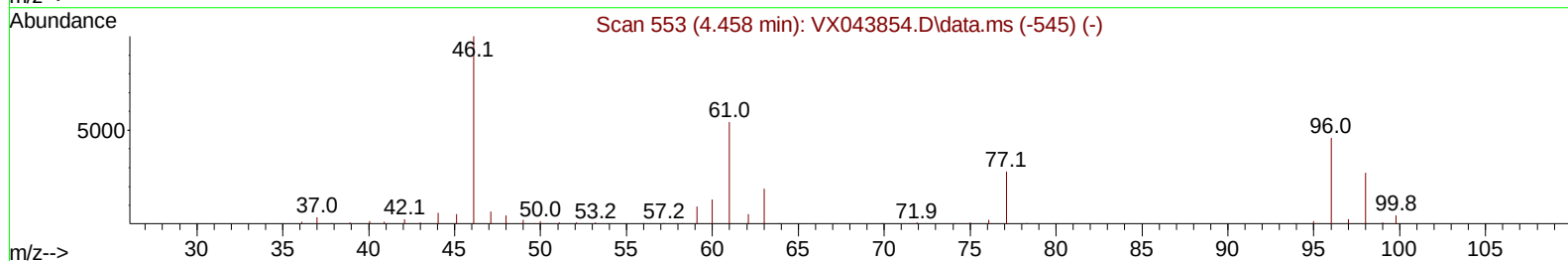
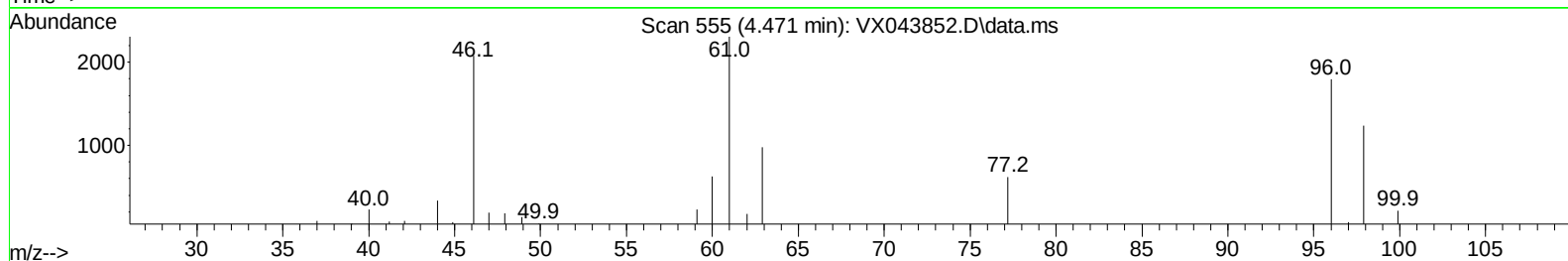
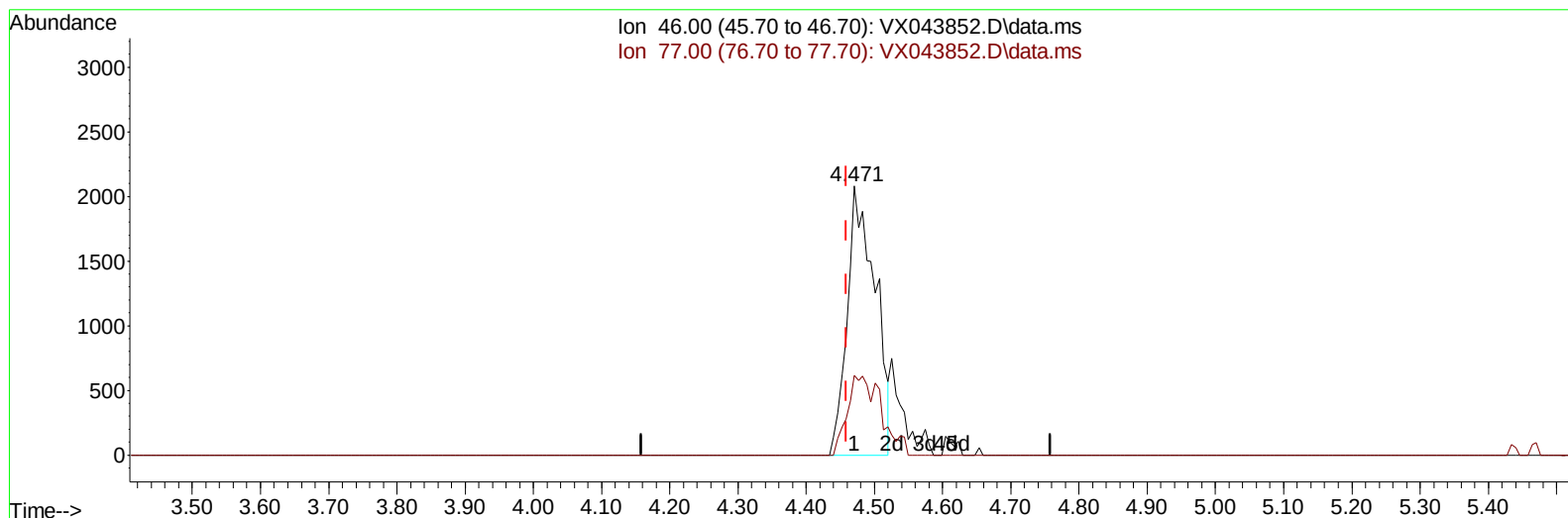
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(21) 2-Butanone-d5 (S)

4.471min (+ 0.012) 8.15 ug/L

response 5882

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	29.20	23.68
0.00	0.00	0.00
0.00	0.00	0.00

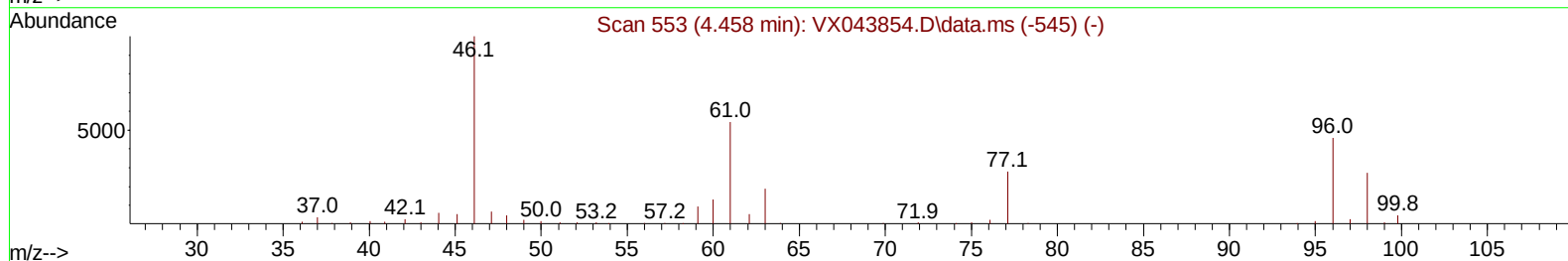
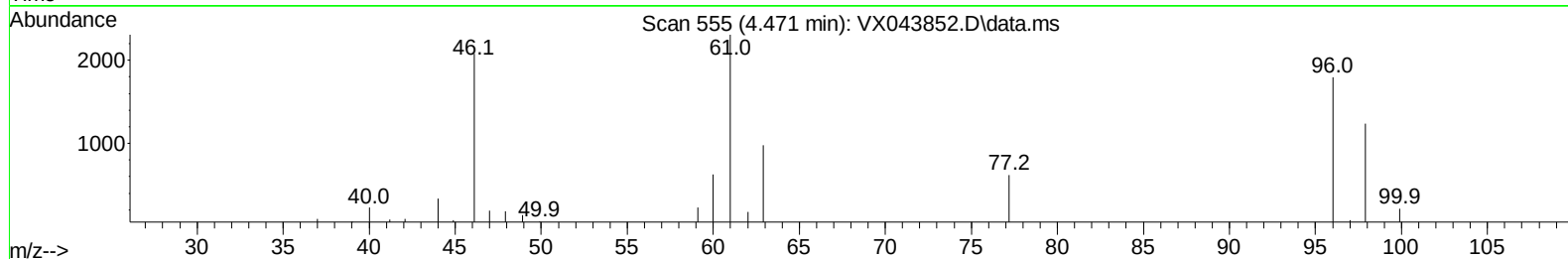
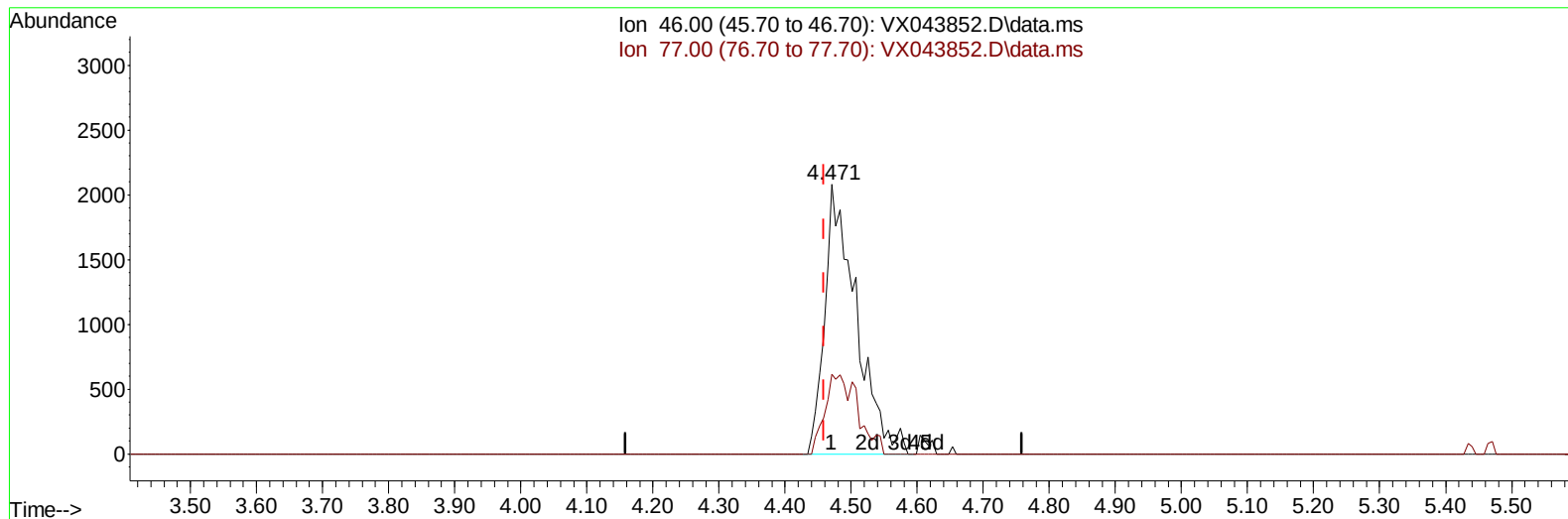
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TIC: VX043852.D\data.ms

(21) 2-Butanone-d5 (S)

4.471min (+ 0.012) 9.52 ug/L m

response 6872

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	29.20	20.27#
0.00	0.00	0.00
0.00	0.00	0.00

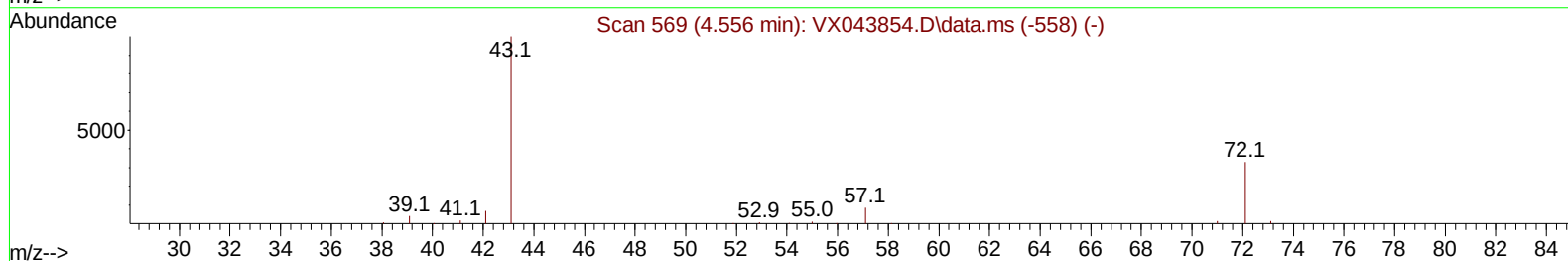
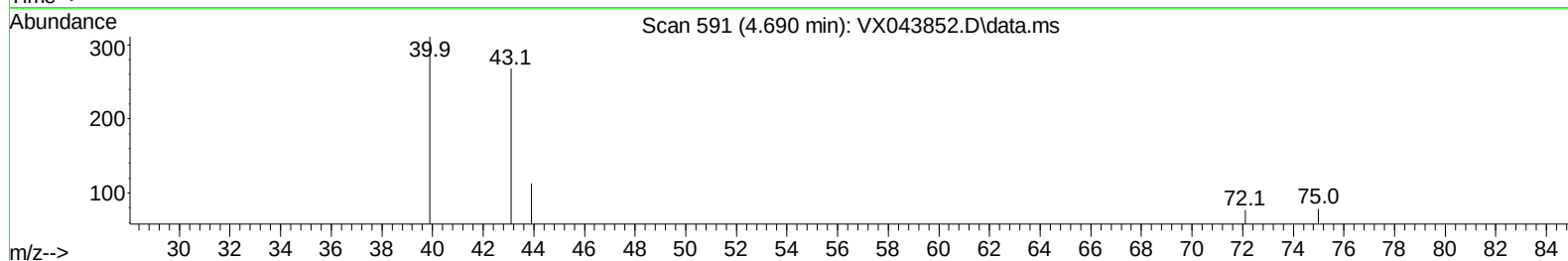
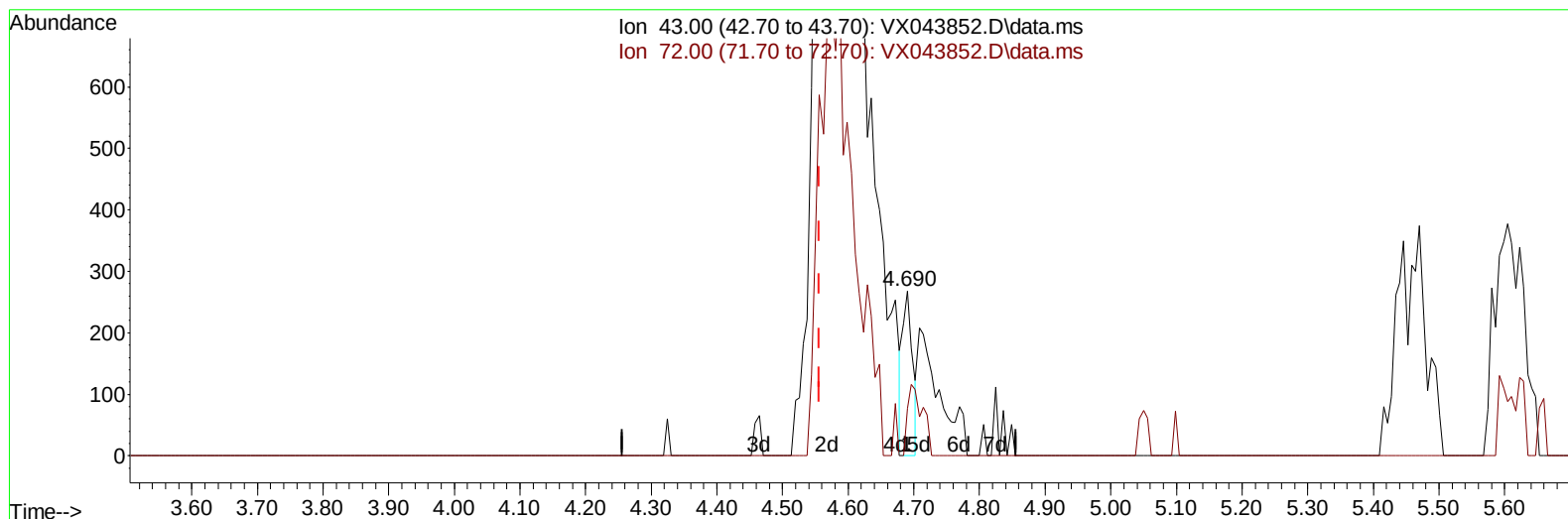
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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TIC: VX043852.D\data.ms

(22) 2-Butanone (T)

4.690min (+ 0.134) 0.30 ug/L

response 286

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	31.90	46.50
0.00	0.00	0.00
0.00	0.00	0.00

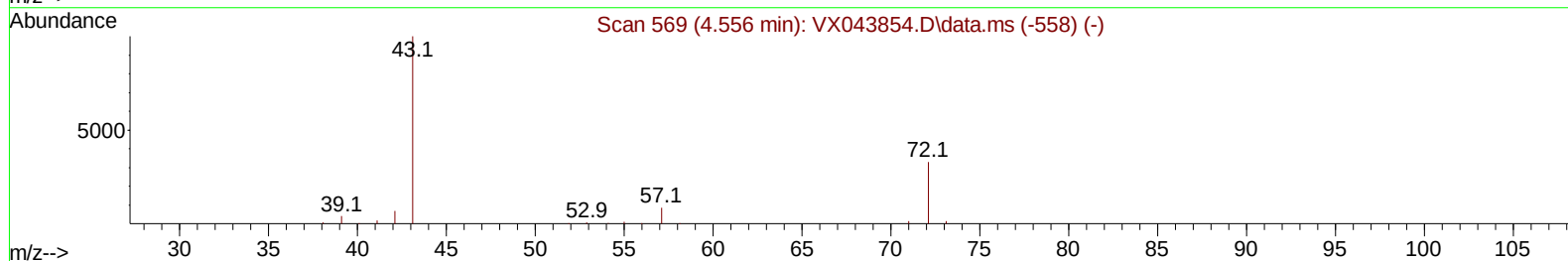
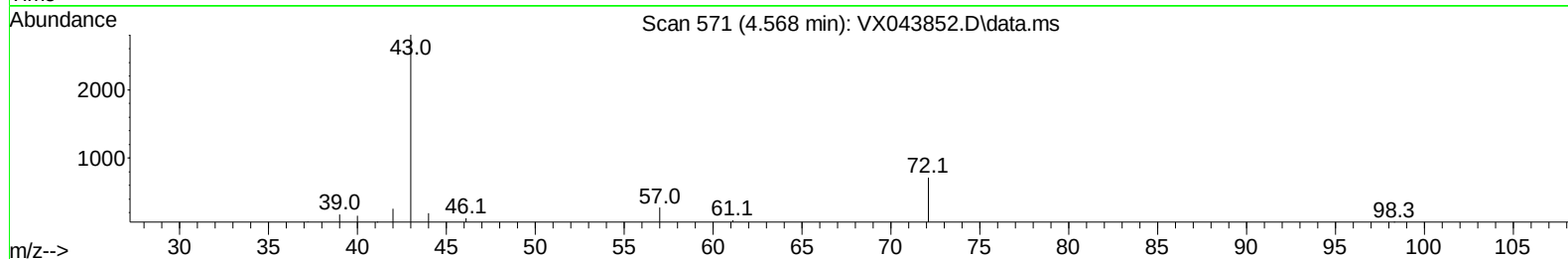
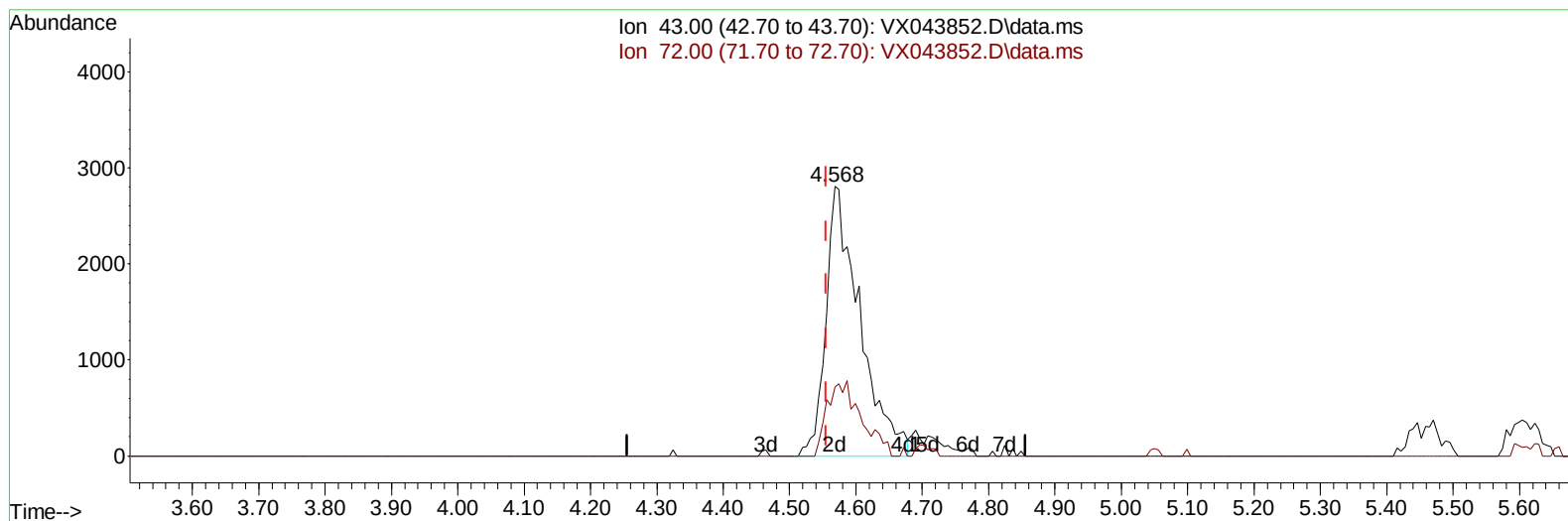
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Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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Manual IntegrationsAPPROVED

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Reviewed By :John Carlone 11/15/2024
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TIC: VX043852.D\data.ms

(22) 2-Butanone (T)

4.568min (+ 0.012) 10.42 ug/L m

response 9961

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	31.90	1.34#
0.00	0.00	0.00
0.00	0.00	0.00

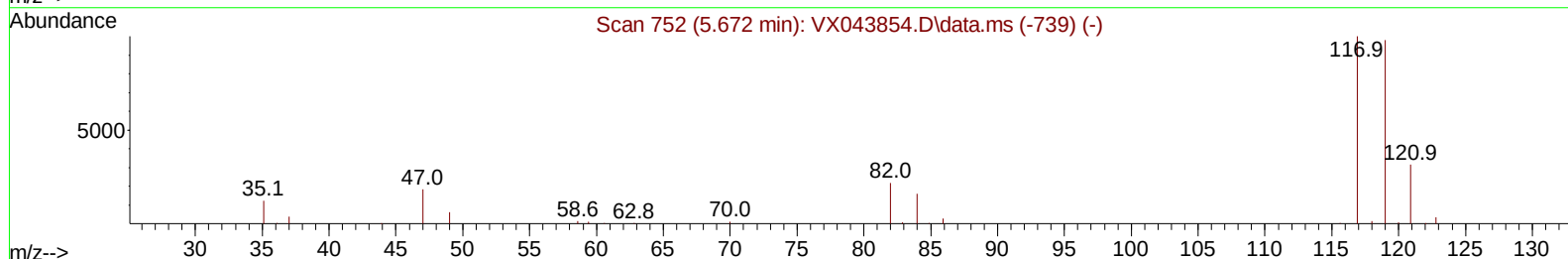
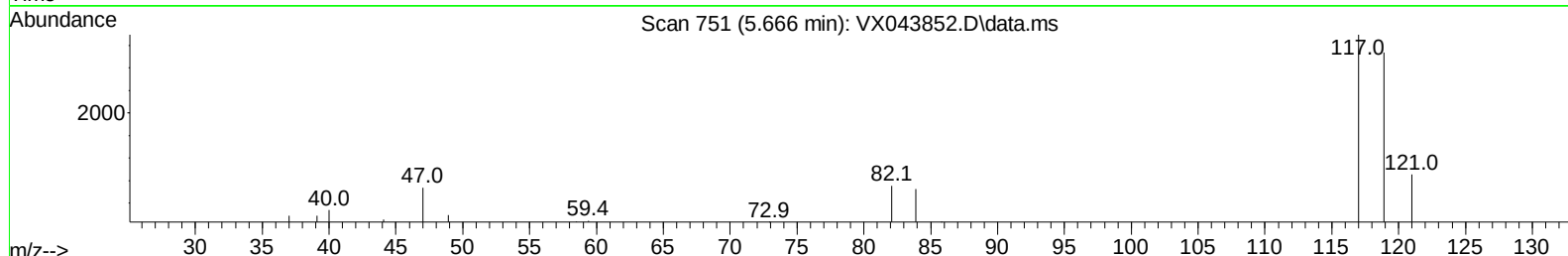
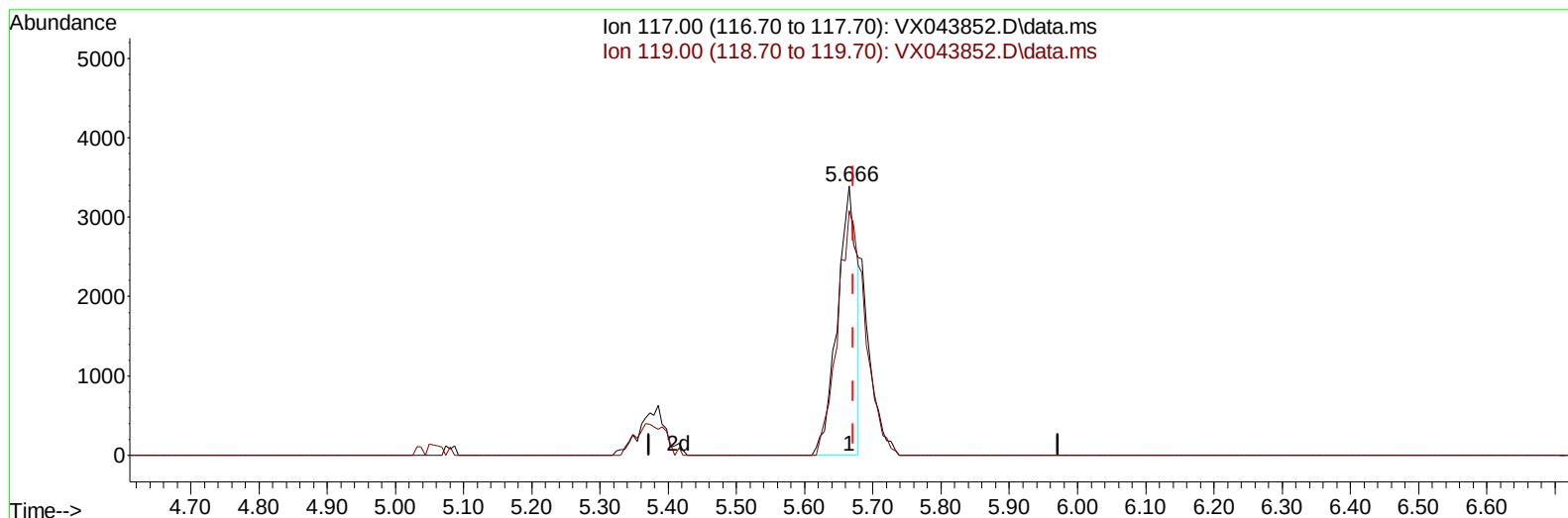
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TIC: VX043852.D\data.ms

(31) Carbon tetrachloride (T)

5.666min (-0.006) 3.25 ug/L

response 6652

Ion	Exp%	Act%
117.00	100.00	100.00
119.00	97.50	130.50#
0.00	0.00	0.00
0.00	0.00	0.00

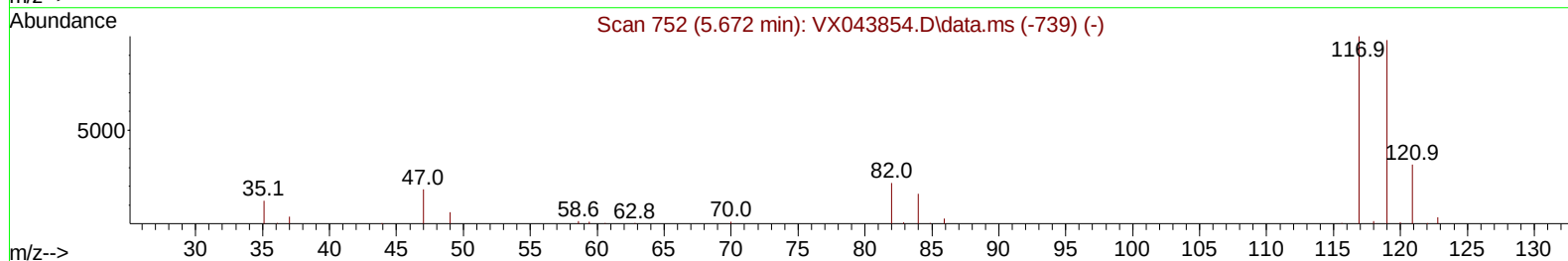
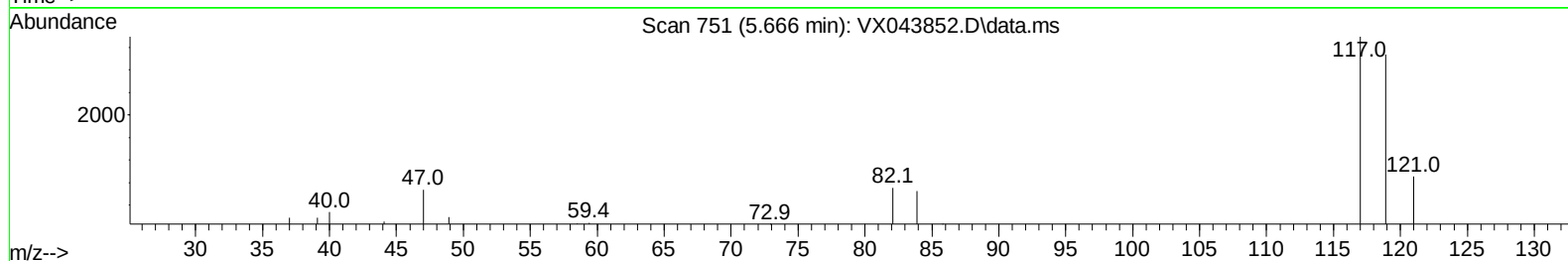
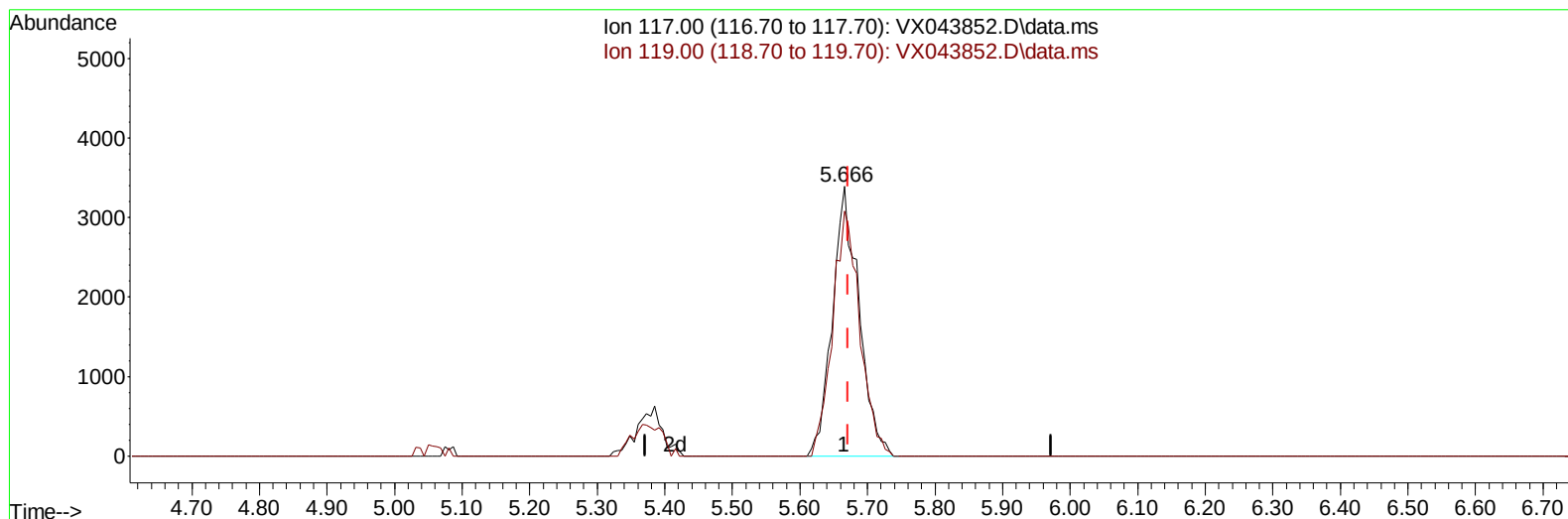
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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TIC: VX043852.D\data.ms

(31) Carbon tetrachloride (T)

5.666min (-0.006) 4.56 ug/L m

response 9326

Ion	Exp%	Act%
117.00	100.00	100.00
119.00	97.50	93.08
0.00	0.00	0.00
0.00	0.00	0.00

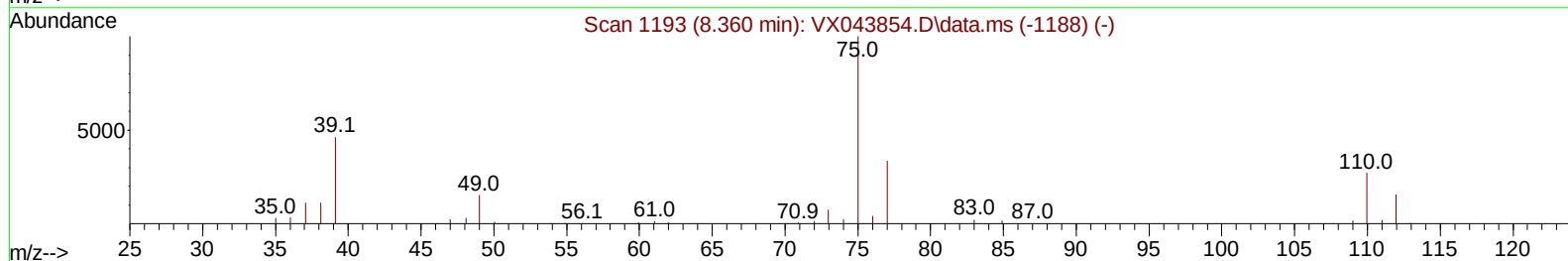
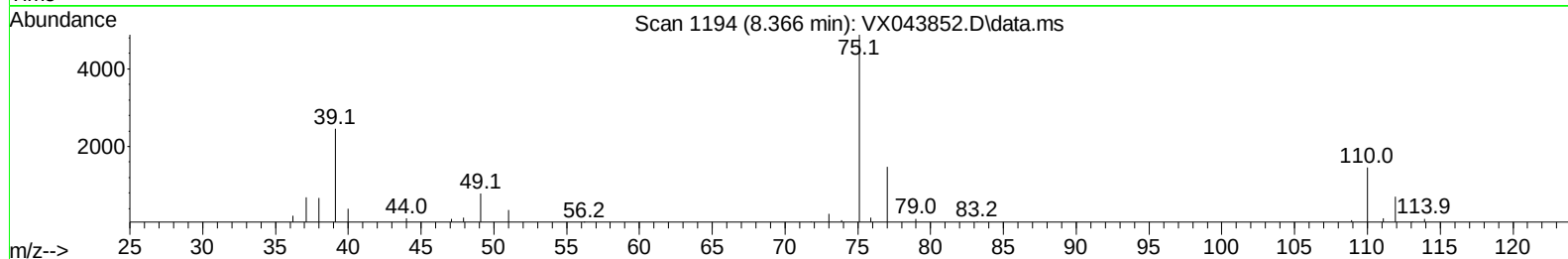
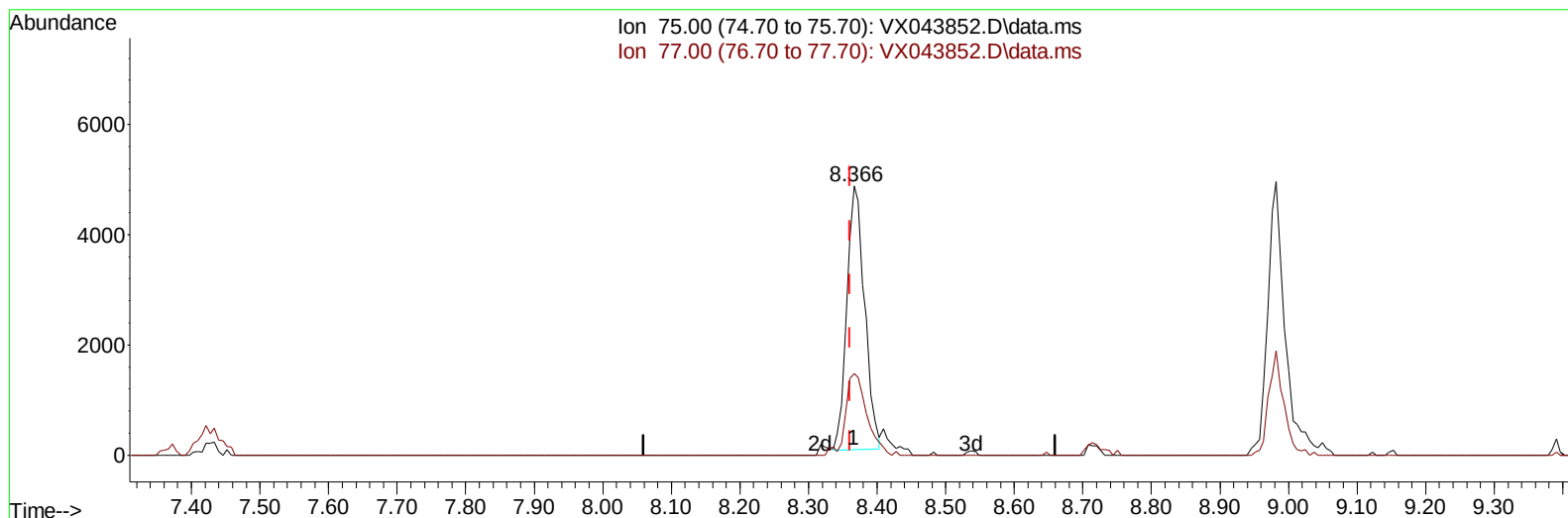
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(39) cis-1,3-Dichloropropene (T)

8.366min (+ 0.006) 4.00 ug/L

response 8586

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	33.90	30.35
0.00	0.00	0.00
0.00	0.00	0.00

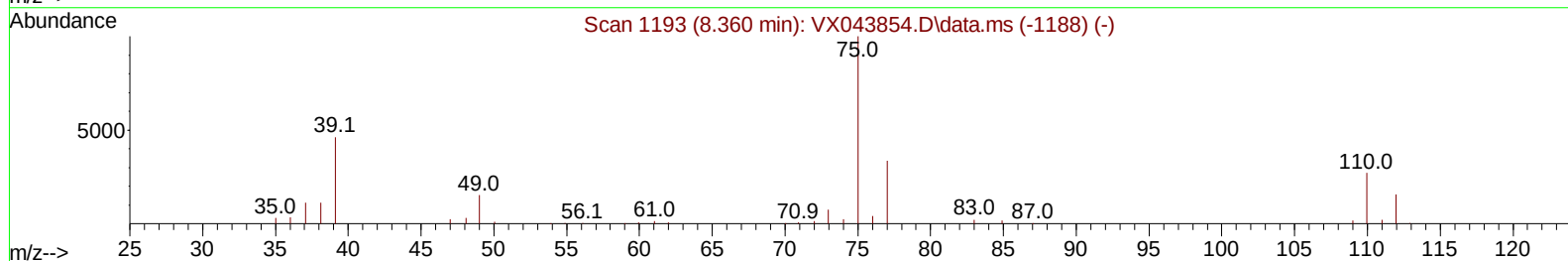
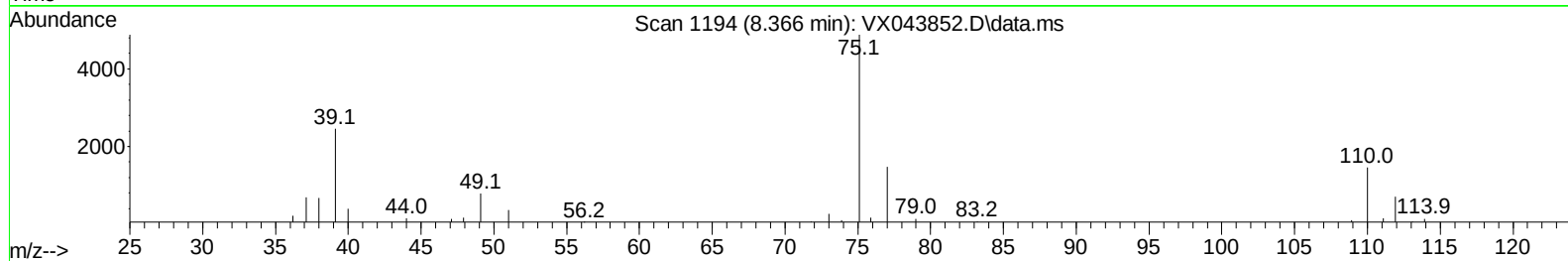
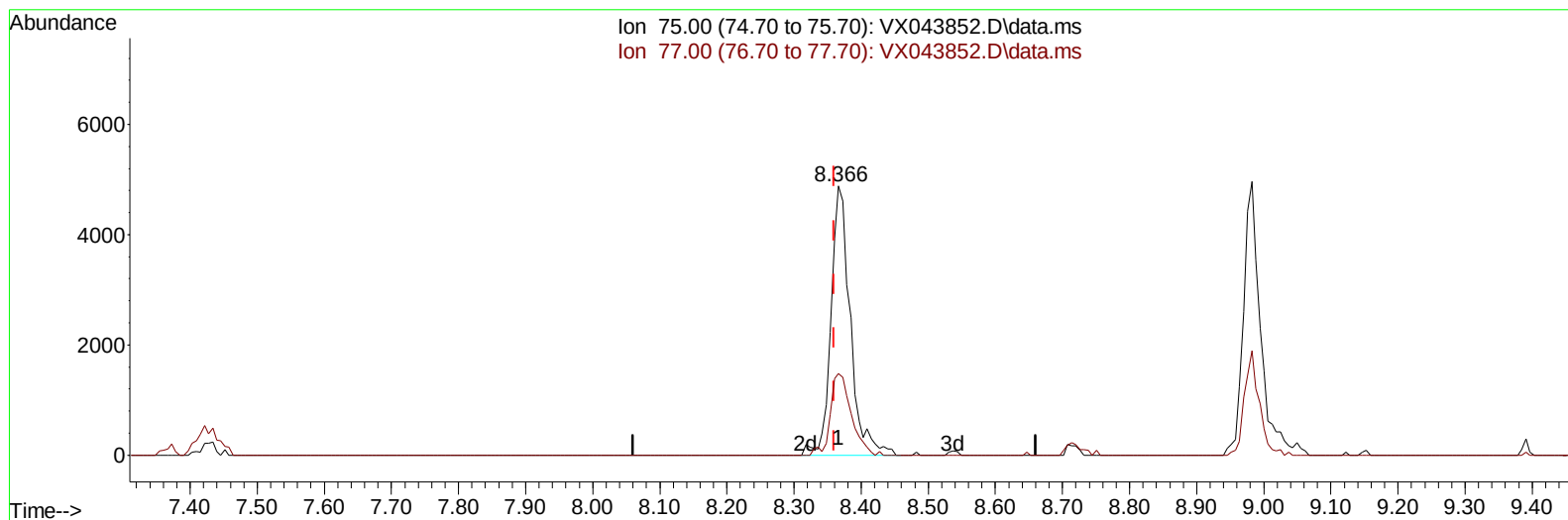
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TIC: VX043852.D\data.ms

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

8.366min (+ 0.006) 4.54 ug/L m

response 9726

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	33.90	30.35
0.00	0.00	0.00
0.00	0.00	0.00

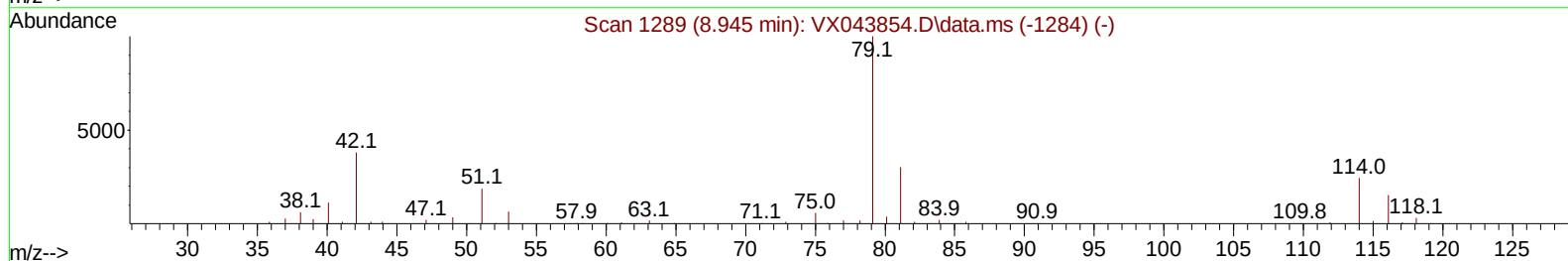
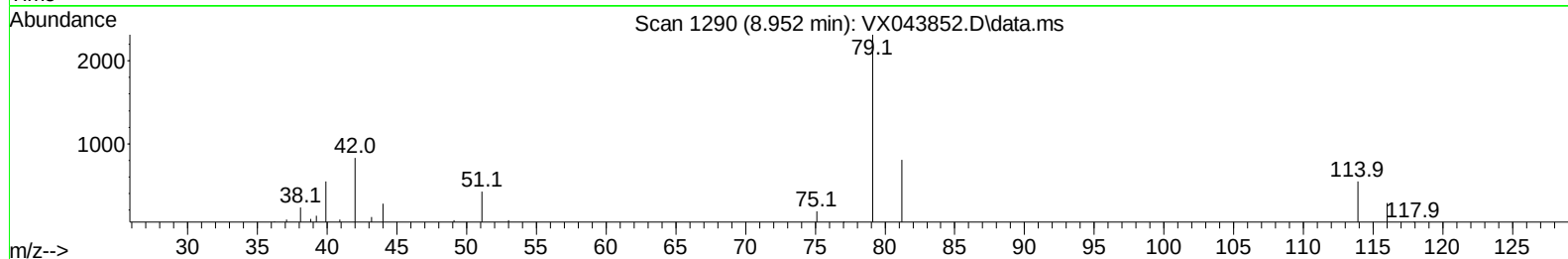
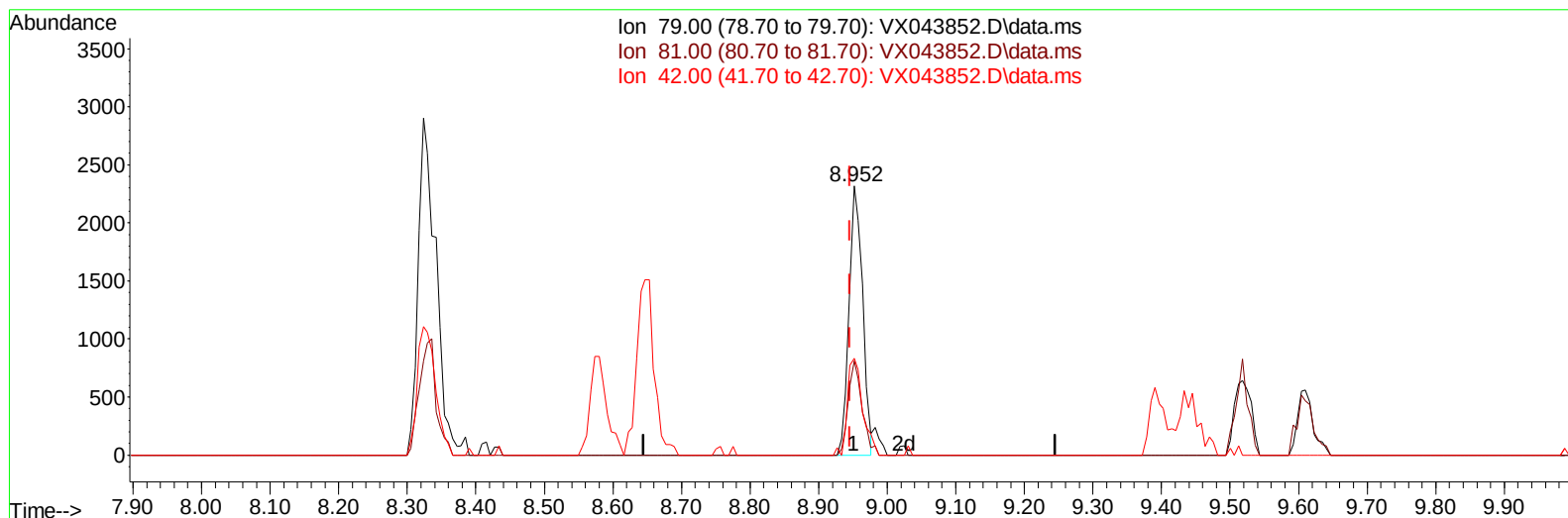
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TIC: VX043852.D\data.ms

(43) trans-1,3-Dichloropropene-d4 (S)

8.952min (+ 0.006) 4.19 ug/L

response 3187

Ion	Exp%	Act%
79.00	100.00	100.00
81.00	31.90	35.80
42.00	38.10	39.22
0.00	0.00	0.00

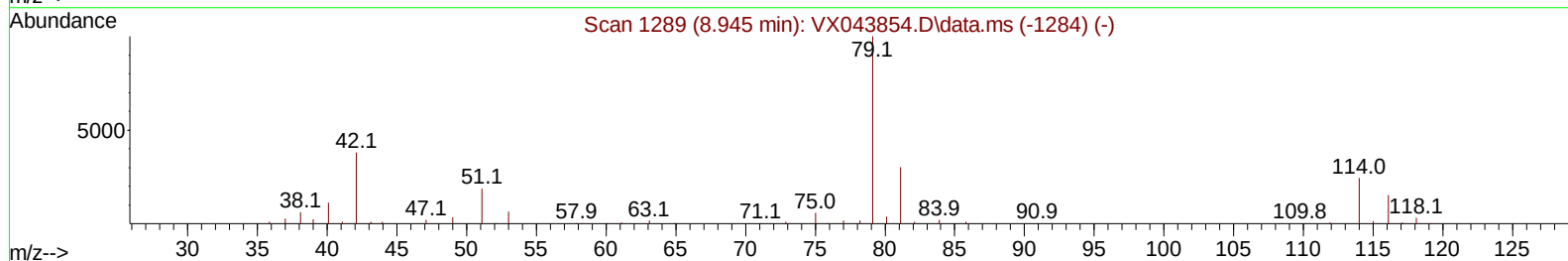
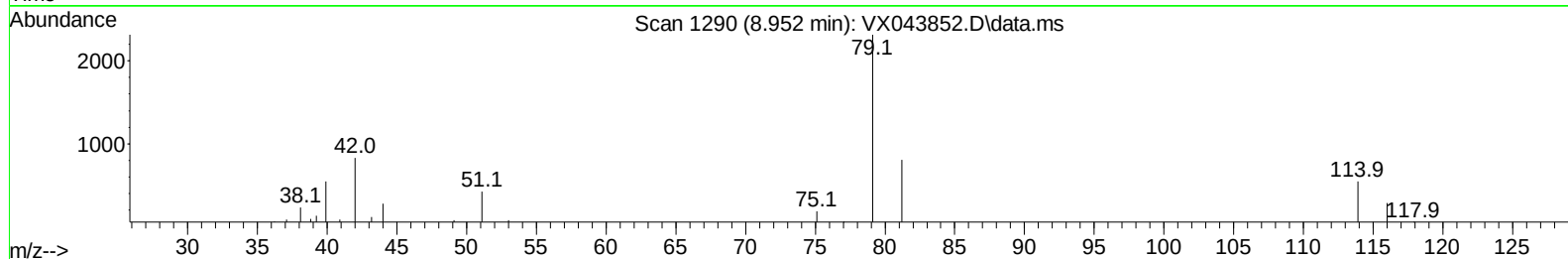
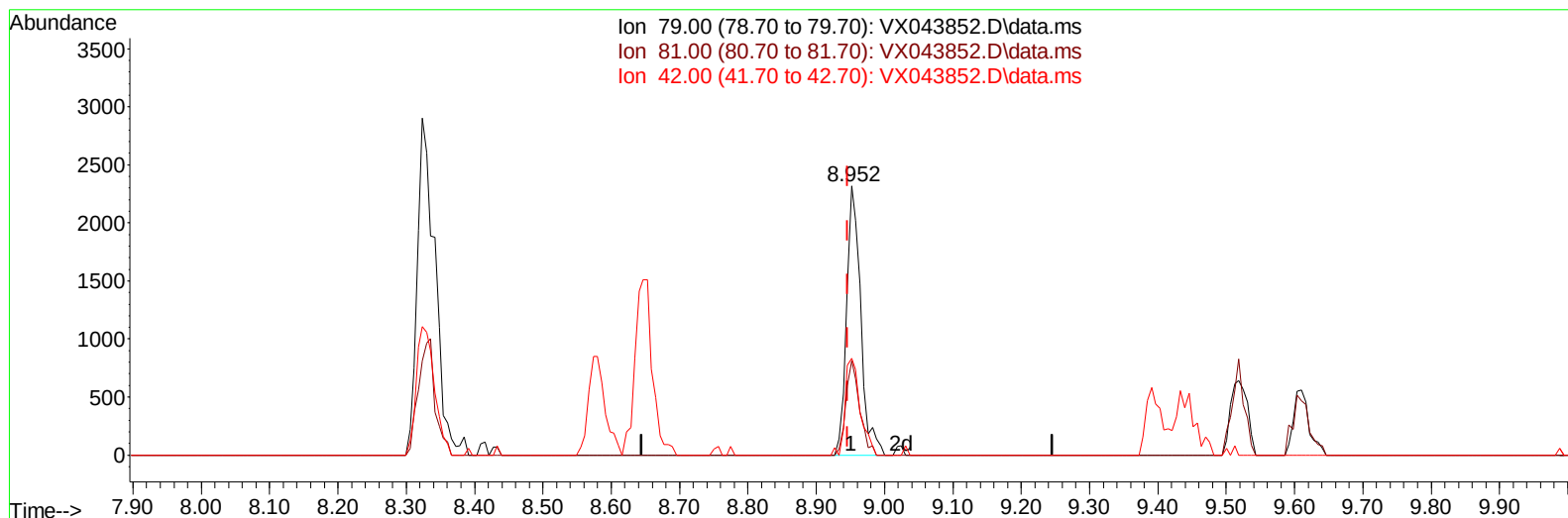
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TIC: VX043852.D\data.ms

(43) trans-1,3-Dichloropropene-d4 (S)

8.952min (+ 0.006) 4.41 ug/L m

response 3354

Ion	Exp%	Act%
79.00	100.00	100.00
81.00	31.90	34.02
42.00	38.10	37.27
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	6.751	114	218651	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	190310	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	86525	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	6483	4.775	ug/L	0.00
7) Chloroethane-d5	1.642	69	4334	4.826	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	2728	4.453	ug/L	0.00
21) 2-Butanone-d5	4.471	46	6872m	9.518	ug/L	0.01
24) Chloroform-d	5.050	84	13603	4.709	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	9208	4.992	ug/L	0.00
32) Benzene-d6	5.964	84	25945	4.900	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.299	67	7031	4.663	ug/L	0.00
41) Toluene-d8	8.647	98	24110	4.816	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	3354m	4.413	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	5074	9.108	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	10100	4.868	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	9584	5.310	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	8088m	4.969	ug/L	
3) Chloromethane	1.294	50	6542	4.982	ug/L	99
5) Vinyl chloride	1.374	62	6744	4.754	ug/L	99
6) Bromomethane	1.593	94	4600	4.941	ug/L	90
8) Chloroethane	1.666	64	3846	5.021	ug/L	98
9) Trichlorofluoromethane	1.867	101	12898	5.074	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	6980	4.868	ug/L	98
12) 1,1-Dichloroethene	2.306	96	6499	4.932	ug/L	87
13) Acetone	2.386	43	9833	11.351	ug/L	97
14) Carbon disulfide	2.502	76	11483	4.131	ug/L	96
15) Methyl Acetate	2.703	43	6207	5.201	ug/L	99
16) Methylene chloride	2.788	84	7469	5.189	ug/L	84
17) trans-1,2-Dichloroethene	3.087	96	6287	4.733	ug/L	88
18) Methyl tert-butyl Ether	3.117	73	23001	4.968	ug/L	99
19) 1,1-Dichloroethane	3.605	63	11706	4.998	ug/L	99
20) cis-1,2-Dichloroethene	4.489	96	7898	4.955	ug/L	93
22) 2-Butanone	4.568	43	9961m	10.418	ug/L	
23) Bromochloromethane	4.891	128	4024	4.698	ug/L	93
25) Chloroform	5.086	83	13586	5.007	ug/L	99
27) 1,2-Dichloroethane	6.092	62	10666	5.013	ug/L #	92
29) Cyclohexane	5.458	56	9887	5.000	ug/L #	67
30) 1,1,1-Trichloroethane	5.373	97	11393	4.804	ug/L #	87
31) Carbon tetrachloride	5.666	117	9326m	4.557	ug/L	
33) Benzene	6.037	78	26538	5.111	ug/L	100
34) Trichloroethene	7.123	95	11681	6.778	ug/L	98
35) Methylcyclohexane	7.373	83	11272	5.117	ug/L	97
37) 1,2-Dichloropropane	7.427	63	6117	4.829	ug/L	97
38) Bromodichloromethane	7.818	83	8128	4.626	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	9726m	4.536	ug/L	
40) 4-Methyl-2-pentanone	8.580	43	15328	10.144	ug/L	96
42) Toluene	8.714	91	27943	4.932	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111424\
 Data File : VX043852.D
 Acq On : 14 Nov 2024 14:59
 Operator : JC/MD
 Sample : VSTD00536
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005636

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 11/15/2024
 Supervised By :Mahesh Dadoda 11/15/2024

Quant Time: Nov 15 02:05:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111424WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 15 02:05:35 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.982	75	8678	4.363	ug/L	89
45) 1,1,2-Trichloroethane	9.153	97	7567	5.184	ug/L	93
46) Tetrachloroethene	9.275	164	6465	5.215	ug/L	84
48) 2-Hexanone	9.433	43	12014	9.777	ug/L	95
49) Dibromochloromethane	9.519	129	6136	4.274	ug/L	99
50) 1,2-Dibromoethane	9.610	107	7886	5.025	ug/L	99
51) Chlorobenzene	10.079	112	19662	5.079	ug/L	95
52) Ethylbenzene	10.195	91	29370	4.738	ug/L	94
53) m,p-Xylene	10.299	106	11577	4.646	ug/L	97
54) o-Xylene	10.640	106	11832	4.769	ug/L	97
55) Styrene	10.659	104	18290	4.530	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	10654	5.061	ug/L #	98
59) Bromoform	10.805	173	3996	4.460	ug/L	96
60) Isopropylbenzene	10.963	105	29411	5.053	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	8260	5.596	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	24665	5.032	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	23499	4.816	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	14224	5.144	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	14349	5.196	ug/L	95
67) 1,2-Dichlorobenzene	12.335	146	14685	5.209	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	1555	4.360	ug/L	93
69) 1,3,5-Trichlorobenzene	13.109	180	8961	4.836	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	7482	4.512	ug/L	95
71) Naphthalene	13.774	128	27152	4.661	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	7772	4.565	ug/L	94

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

Manual IntegrationsAPPROVED

Quant Time: Nov 15 02:05:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML111424WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 15 02:05:35 2024
Response via : Initial Calibration

