

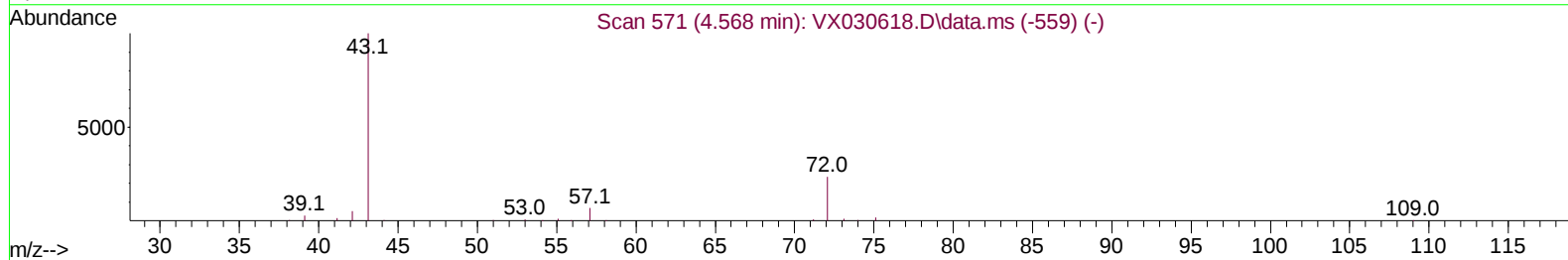
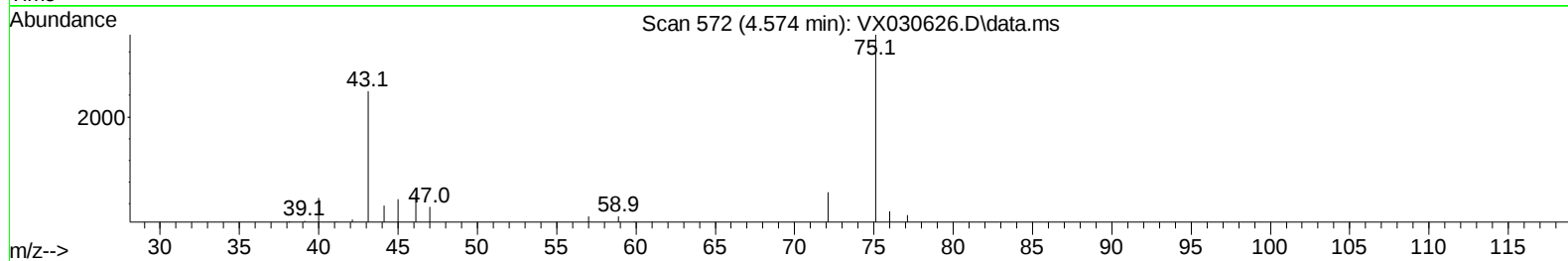
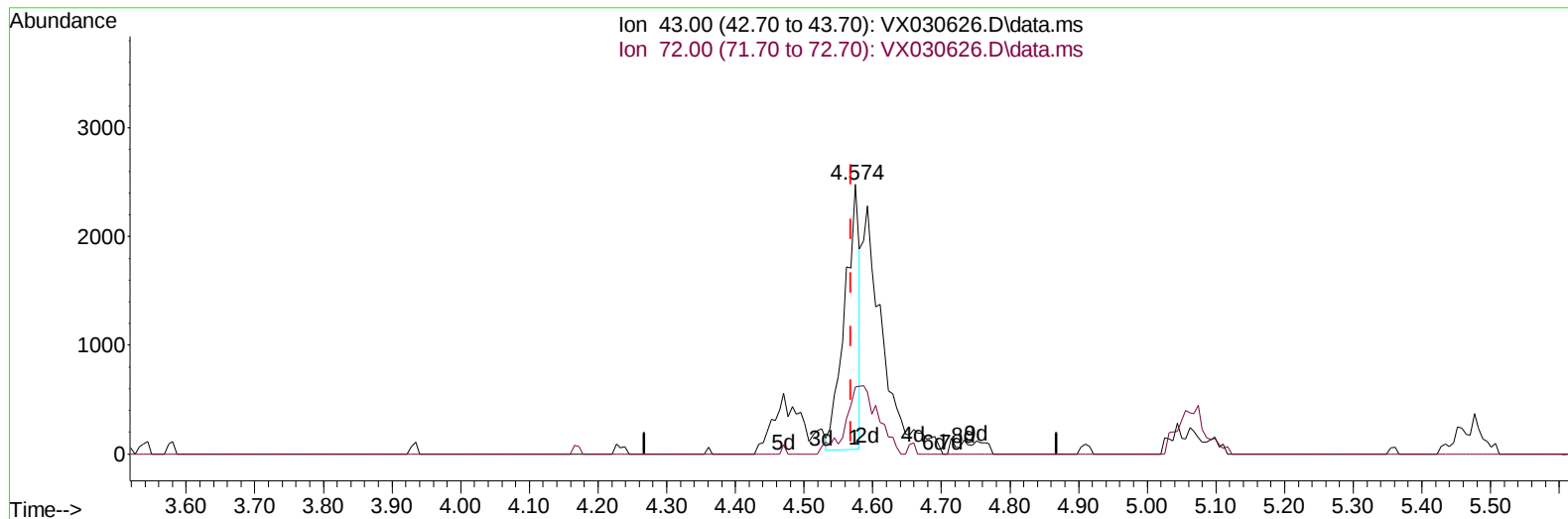
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081522\
 Data File : VX030626.D
 Acq On : 15 Aug 2022 14:37
 Operator : JC/MD
 Sample : N4015-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2022-05

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 08/16/2022
 Supervised By :Mahesh Dadoda 08/16/2022

Quant Time: Aug 16 07:12:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
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TIC: VX030626.D\data.ms

(22) 2-Butanone (T)

4.574min (+ 0.006) 2.17 ug/L

response 3660

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	23.40	2.43#
0.00	0.00	0.00
0.00	0.00	0.00

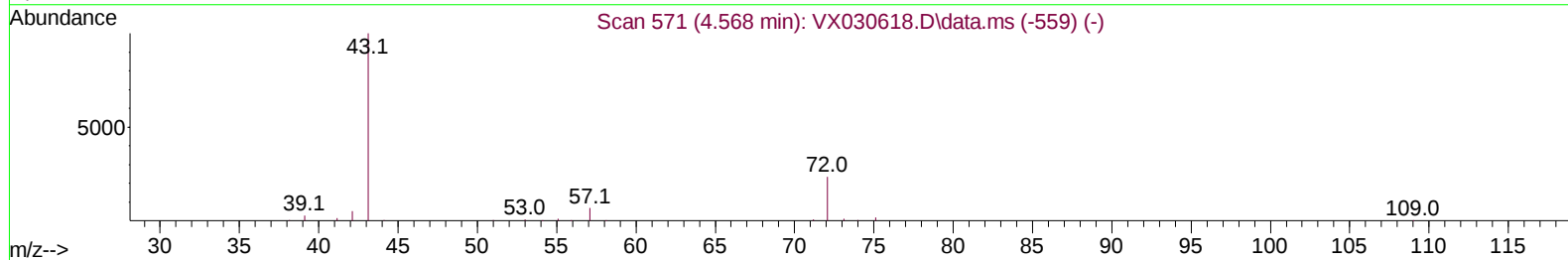
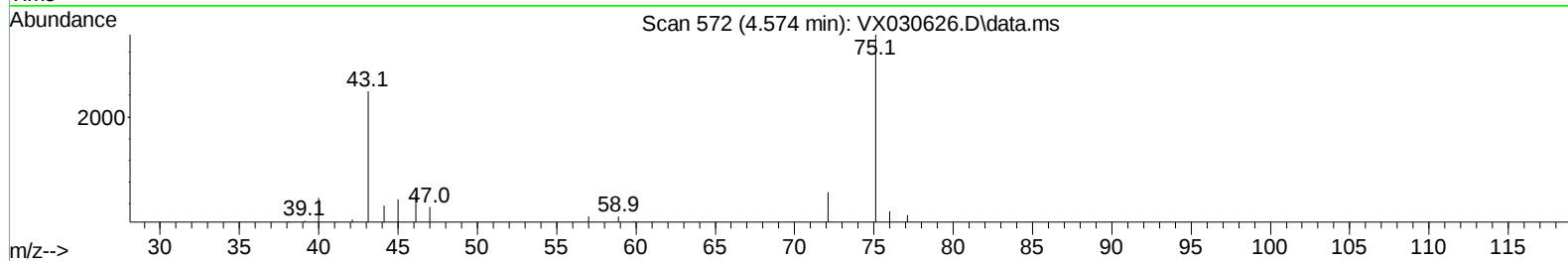
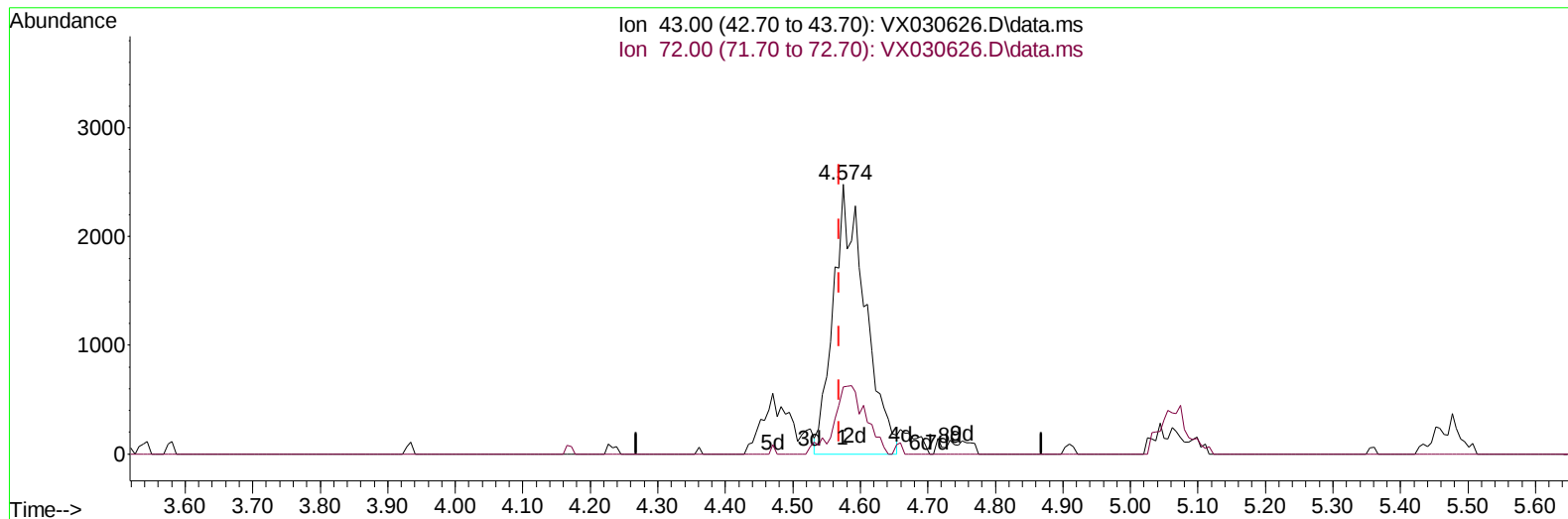
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TIC: VX030626.D\data.ms

(22) 2-Butanone (T)

4.574min (+ 0.006) 4.82 ug/L m

response 8111

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	23.40	1.10#
0.00	0.00	0.00
0.00	0.00	0.00

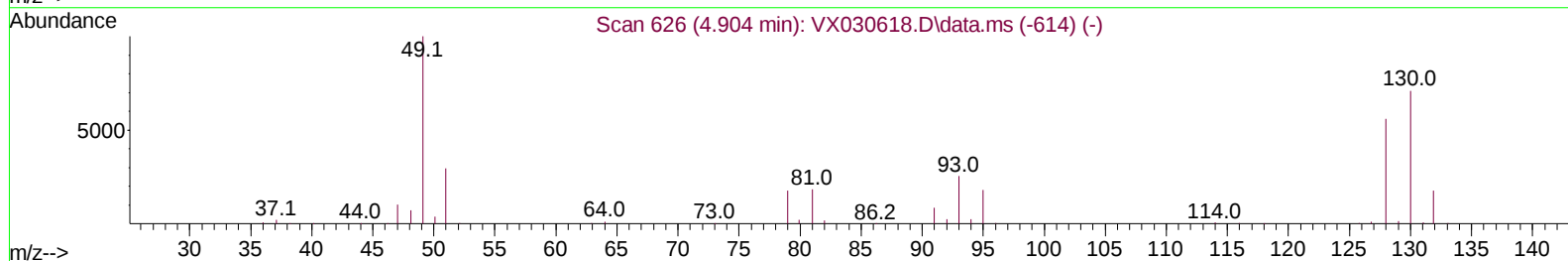
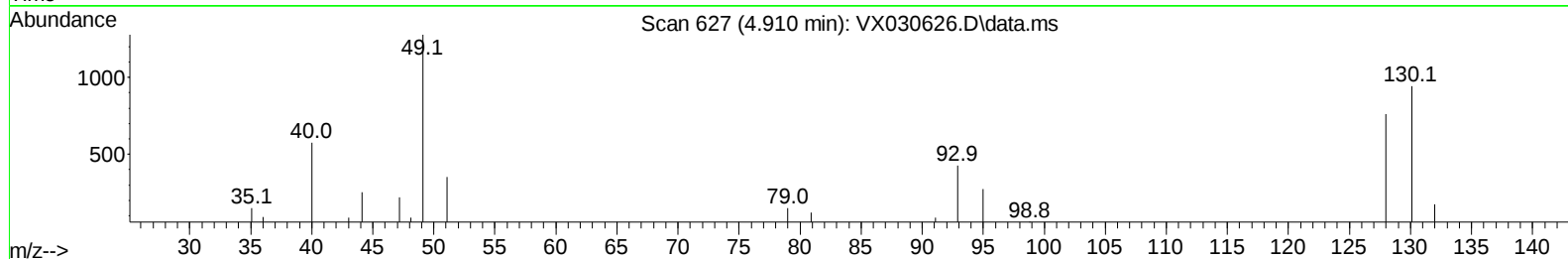
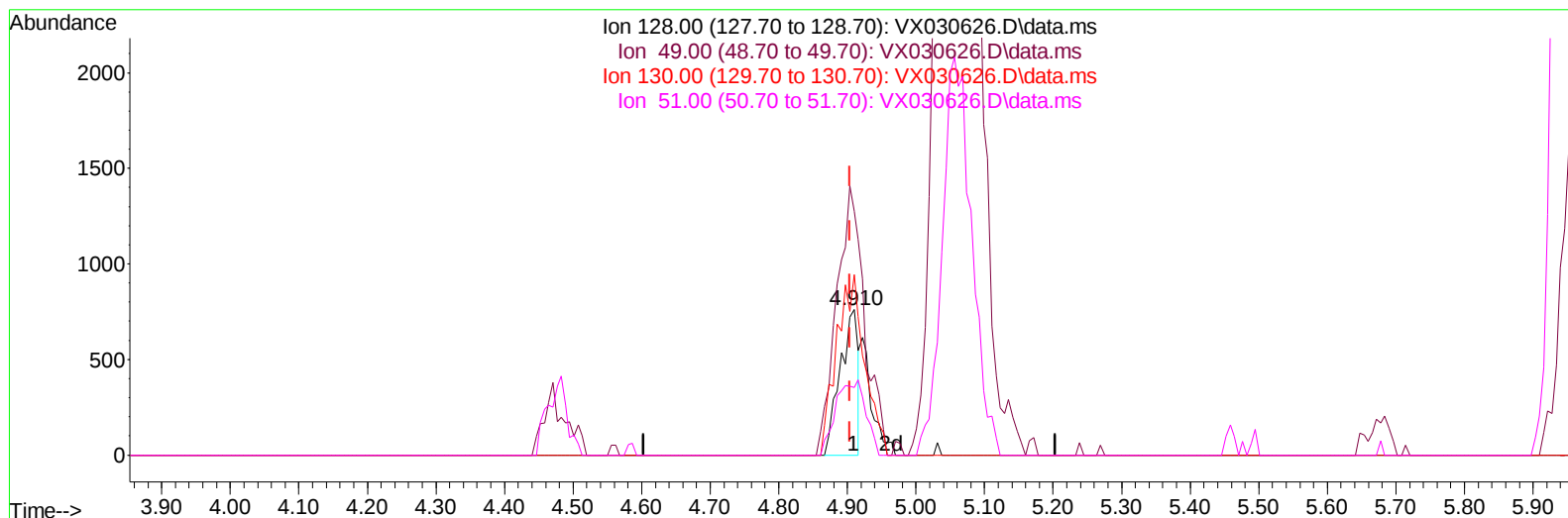
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TIC: VX030626.D\data.ms

(23) Bromochloromethane (T)

4.910min (+ 0.006) 1.54 ug/L

response 1379

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	166.80	168.03
130.00	129.00	124.21
51.00	50.00	46.32

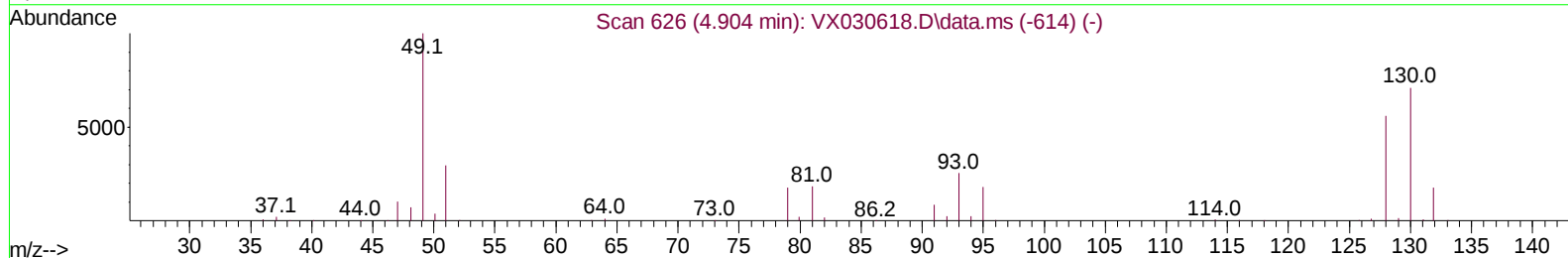
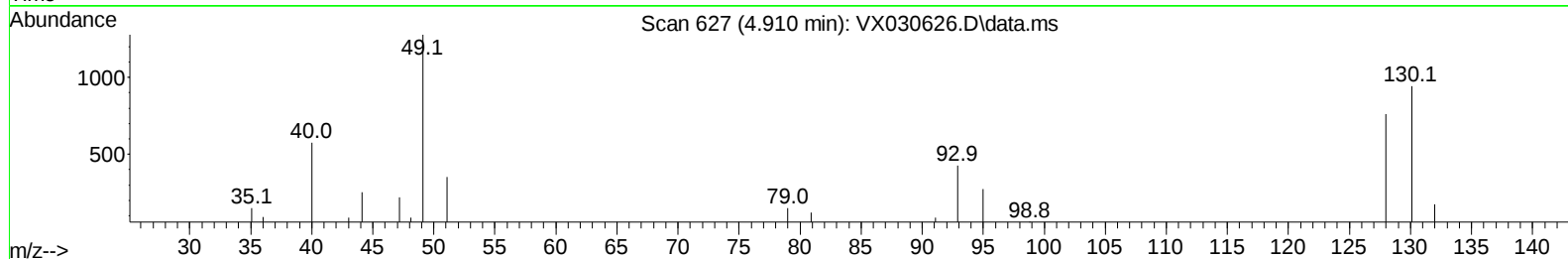
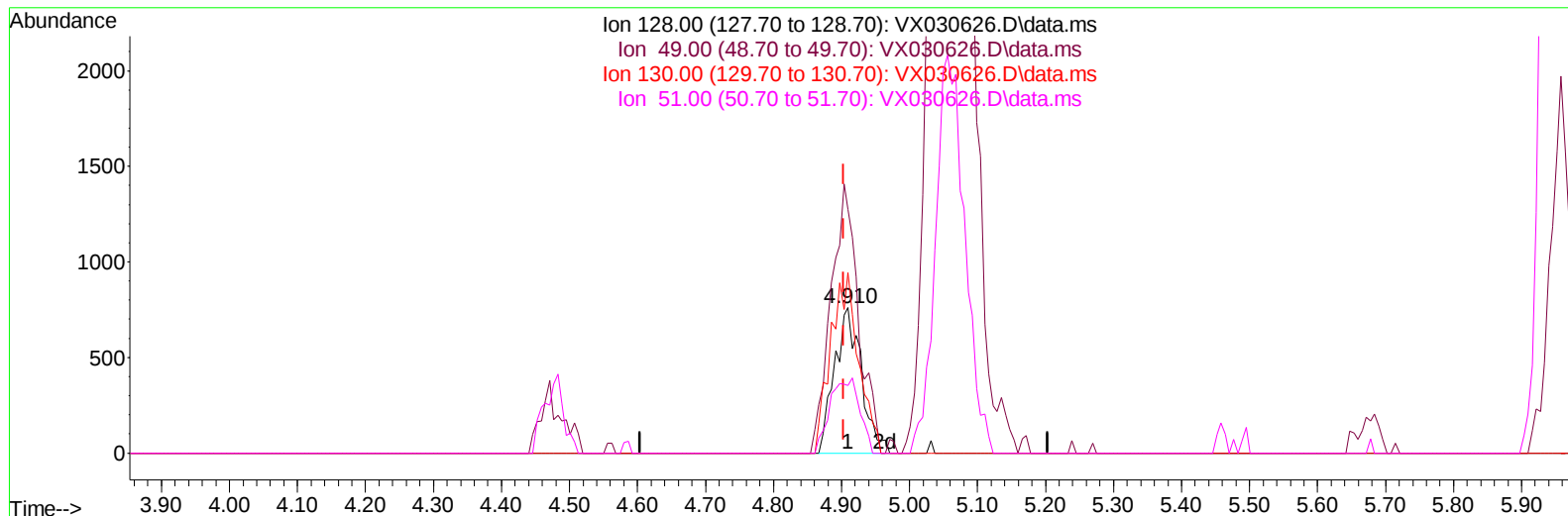
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TIC: VX030626.D\data.ms

(23) Bromochloromethane (T)

4.910min (+ 0.006) 2.34 ug/L m

response 2092

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	166.80	168.03
130.00	129.00	124.21
51.00	50.00	46.32

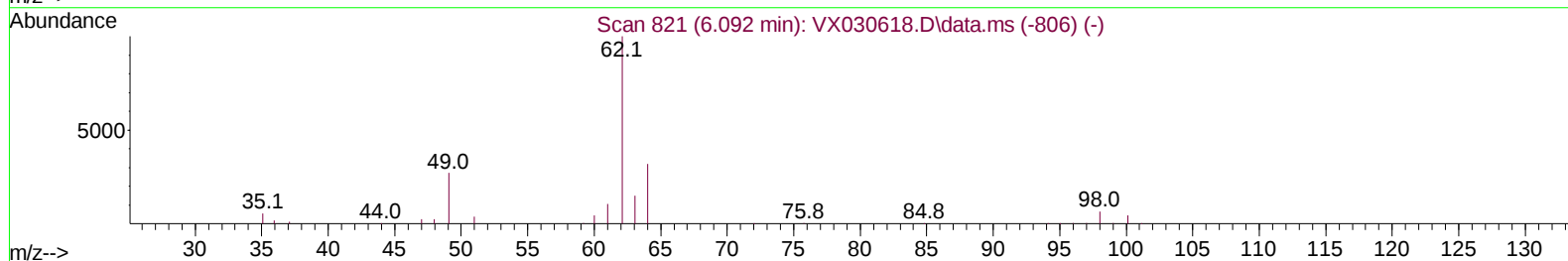
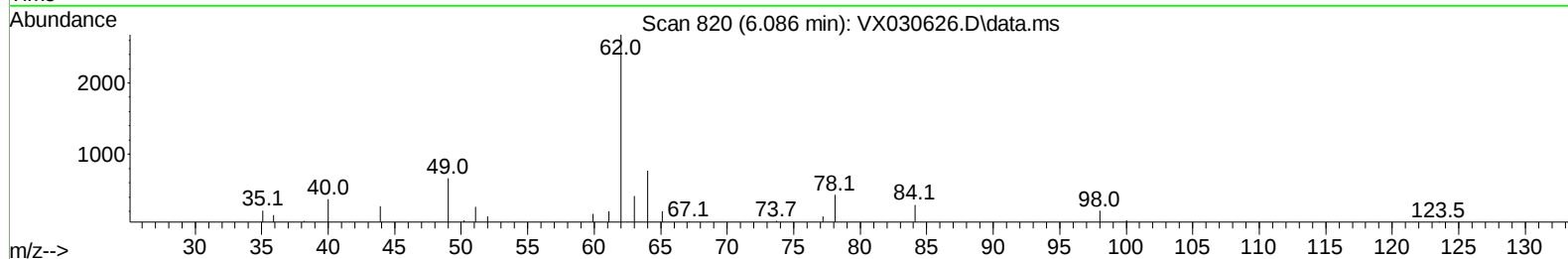
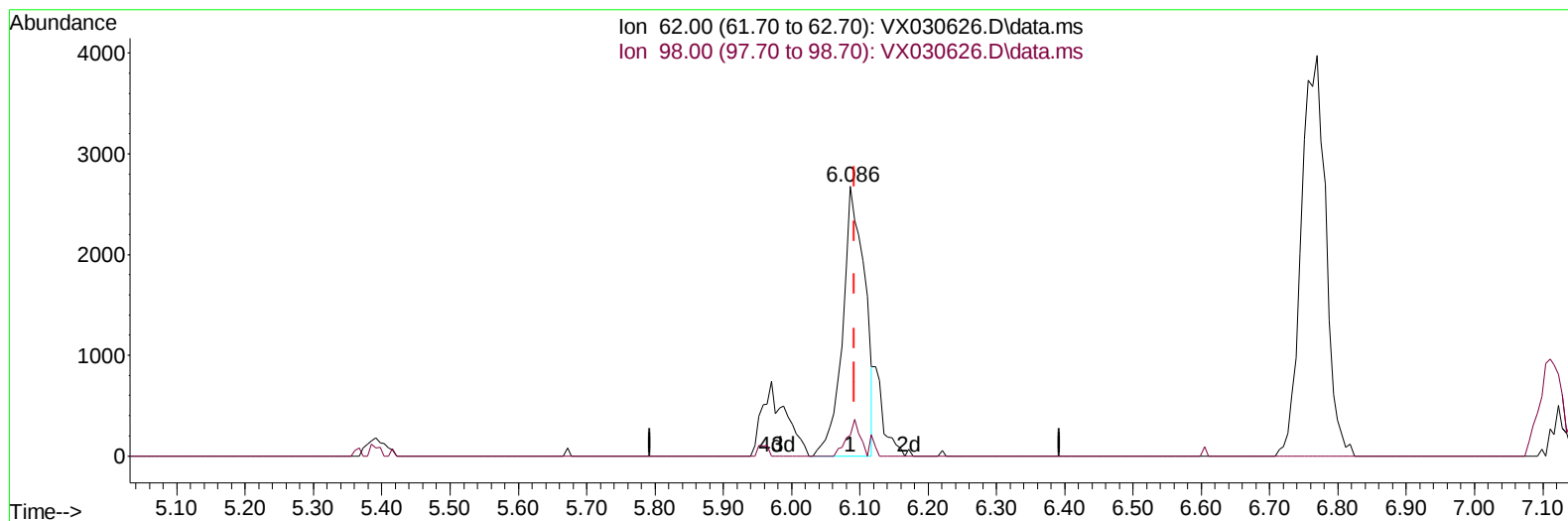
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TIC: VX030626.D\data.ms

(27) 1,2-Dichloroethane (T)

6.086min (-0.006) 2.24 ug/L

response 6008

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	8.80	7.77
0.00	0.00	0.00
0.00	0.00	0.00

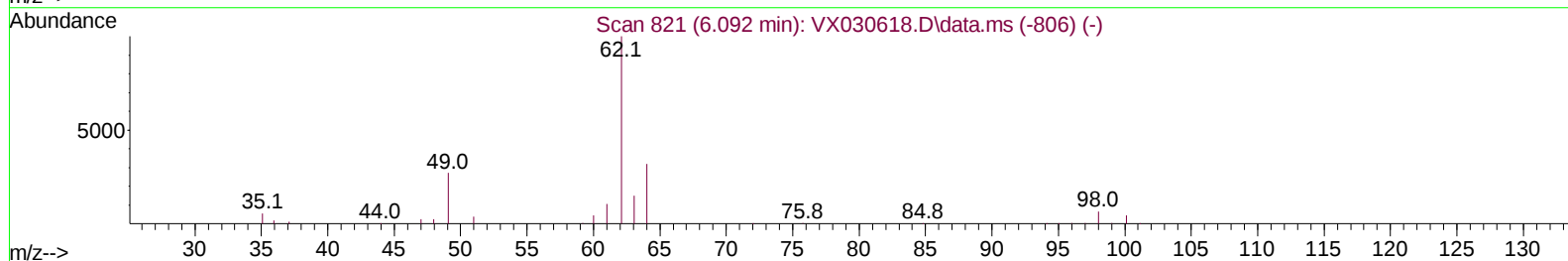
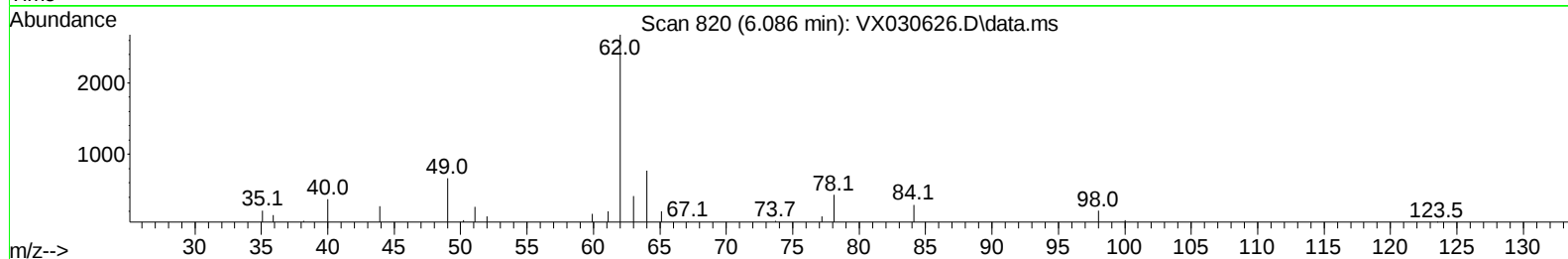
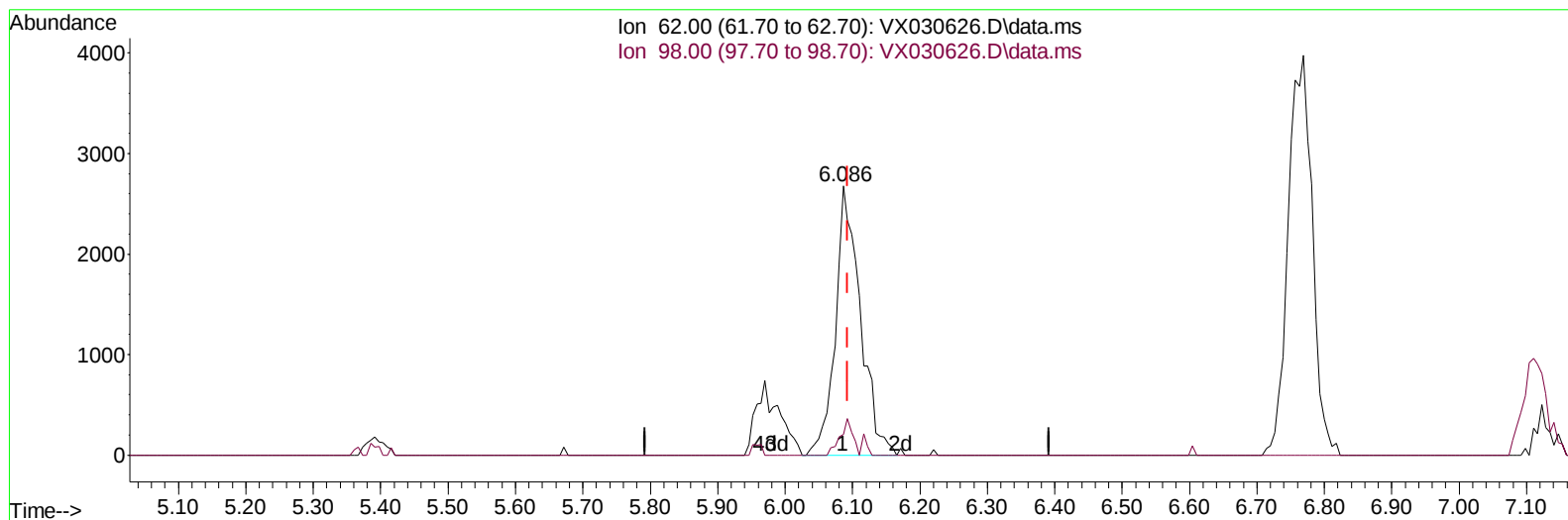
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TIC: VX030626.D\data.ms

(27) 1,2-Dichloroethane (T)

6.086min (-0.006) 2.57 ug/L m

response 6890

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	8.80	7.77
0.00	0.00	0.00
0.00	0.00	0.00

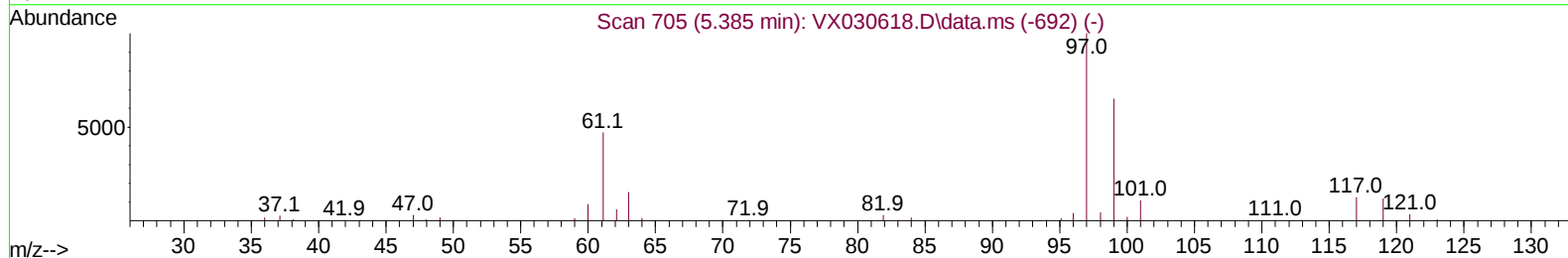
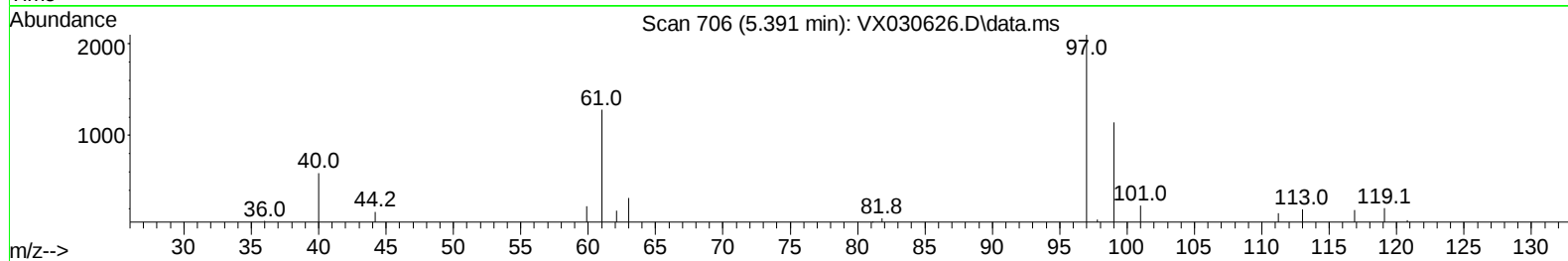
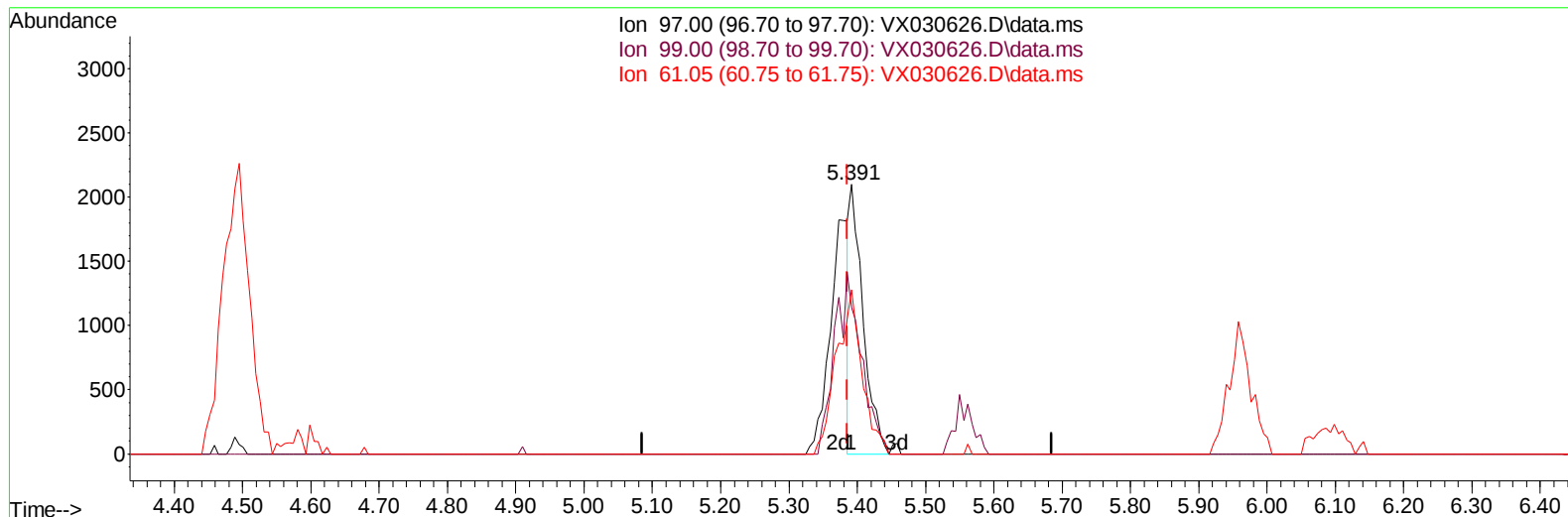
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TIC: VX030626.D\data.ms

(30) 1,1,1-Trichloroethane (T)

5.391min (+ 0.006) 0.99 ug/L

response 2876

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	64.20	80.42#
61.05	46.30	115.61#
0.00	0.00	0.00

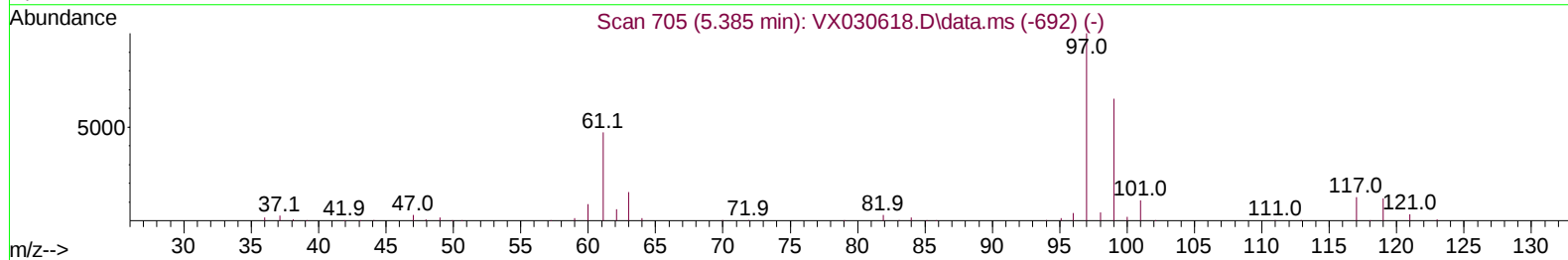
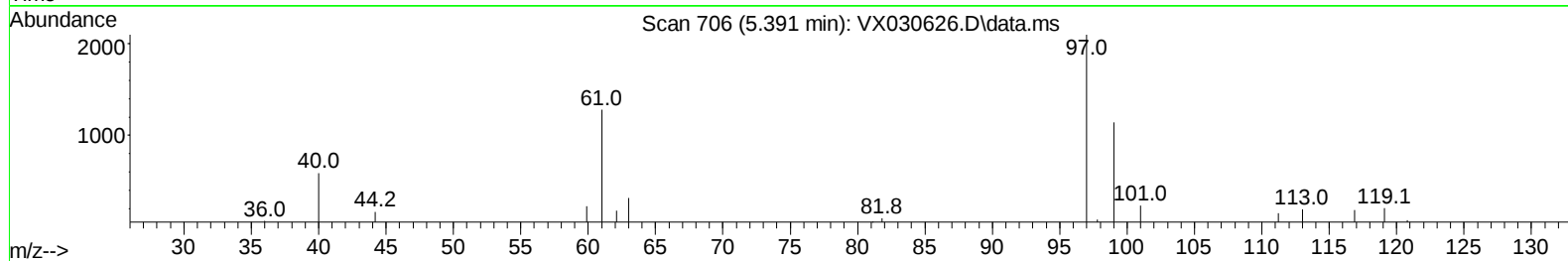
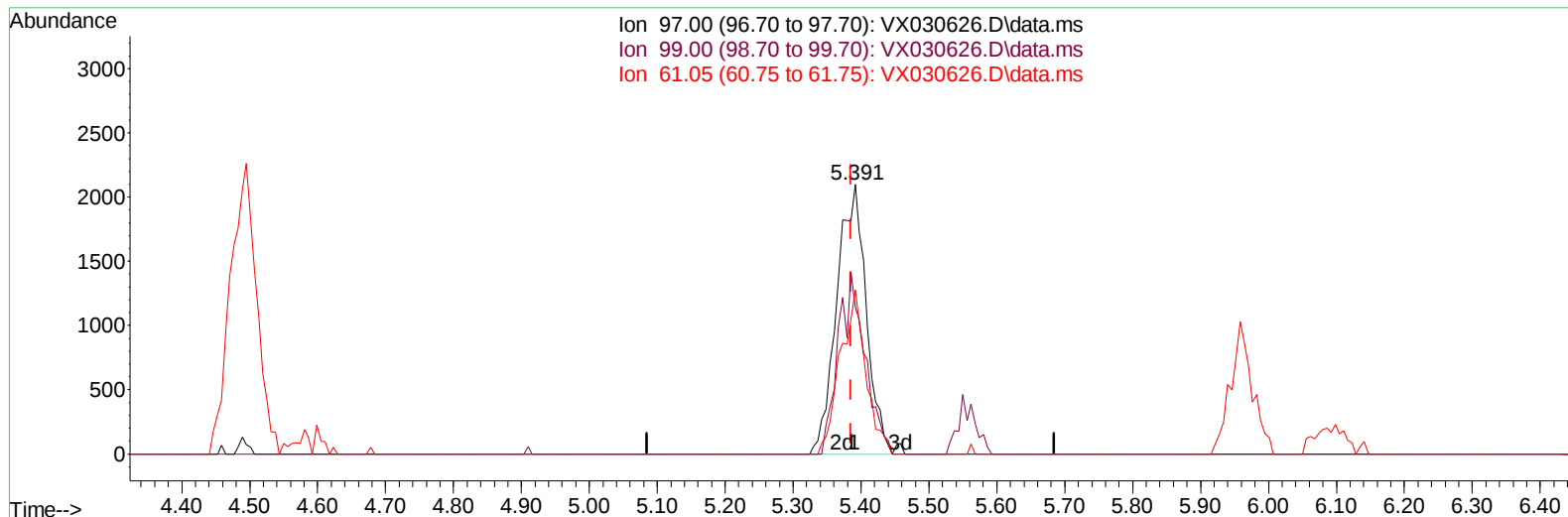
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: VX030626.D\data.ms

(30) 1,1,1-Trichloroethane (T)

5.391min (+ 0.006) 2.14 ug/L m

response 6252

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	64.20	37.00#
61.05	46.30	53.18
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	6.763	114	244617	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	221354	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	102550	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	46485	29.592	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	59.180%#	
7) Chloroethane-d5	1.666	69	44367	40.064	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	80.120%	
11) 1,1-Dichloroethene-d2	2.306	63	87190	29.342	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	58.680%#	
21) 2-Butanone-d5	4.471	46	179984	123.657	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	123.660%	
24) Chloroform-d	5.056	84	149597	46.262	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	92.520%	
26) 1,2-Dichloroethane-d4	5.958	65	109976	50.087	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	100.180%	
32) Benzene-d6	5.976	84	258871	40.827	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	81.660%	
36) 1,2-Dichloropropane-d6	7.312	67	96106	46.718	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	93.440%	
41) Toluene-d8	8.653	98	226852	37.956	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	75.920%#	
43) trans-1,3-Dichloroprop...	8.952	79	42096	41.133	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	82.260%	
47) 2-Hexanone-d5	9.384	63	117511	112.067	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	112.070%	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	145080	53.684	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	107.360%	
66) 1,2-Dichlorobenzene-d4	12.323	152	93331	46.922	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	93.840%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3674	1.996	ug/L	93
3) Chloromethane	1.288	50	3352	2.118	ug/L	86
5) Vinyl chloride	1.374	62	3927	2.323	ug/L #	45
6) Bromomethane	1.611	94	1653	2.081	ug/L	77
8) Chloroethane	1.691	64	2097	2.178	ug/L	97
9) Trichlorofluoromethane	1.886	101	5567	2.228	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	4369	2.940	ug/L #	62
12) 1,1-Dichloroethene	2.319	96	3724	2.720	ug/L #	1
13) Acetone	2.398	43	6369	5.971	ug/L	84
14) Carbon disulfide	2.508	76	7208	1.624	ug/L #	90
15) Methyl Acetate	2.709	43	5308	2.404	ug/L	98
16) Methylene chloride	2.794	84	4459	2.568	ug/L	89
17) trans-1,2-Dichloroethene	3.093	96	3071	1.936	ug/L #	72
18) Methyl tert-butyl Ether	3.123	73	12672	2.349	ug/L	95
19) 1,1-Dichloroethane	3.611	63	7279	2.373	ug/L #	86
20) cis-1,2-Dichloroethene	4.489	96	4208	2.358	ug/L	98
22) 2-Butanone	4.574	43	8111m	4.820	ug/L	
23) Bromochloromethane	4.910	128	2092m	2.338	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.099	83	10465	3.247	ug/L	98
27) 1,2-Dichloroethane	6.086	62	6890m	2.568	ug/L	
29) Cyclohexane	5.470	56	5354	1.819	ug/L #	92
30) 1,1,1-Trichloroethane	5.391	97	6252m	2.141	ug/L	
31) Carbon tetrachloride	5.678	117	4825	2.002	ug/L	95
33) Benzene	6.044	78	15283	2.153	ug/L	100
34) Trichloroethene	7.129	95	4450	2.165	ug/L	87
35) Methylcyclohexane	7.385	83	6159	2.058	ug/L	95
37) 1,2-Dichloropropane	7.440	63	4085	2.165	ug/L	99
38) Bromodichloromethane	7.830	83	5300	2.122	ug/L #	83
39) cis-1,3-Dichloropropene	8.372	75	5714	2.030	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	14199	4.321	ug/L	95
42) Toluene	8.720	91	15548	2.074	ug/L	93
44) trans-1,3-Dichloropropene	8.988	75	5313	1.928	ug/L	96
45) 1,1,2-Trichloroethane	9.153	97	4068	2.318	ug/L	93
46) Tetrachloroethene	9.275	164	2376	1.829	ug/L	83
48) 2-Hexanone	9.433	43	13151	5.151	ug/L	93
49) Dibromochloromethane	9.525	129	3660	1.961	ug/L	100
50) 1,2-Dibromoethane	9.610	107	4027	2.087	ug/L #	88
51) Chlorobenzene	10.079	112	10043	2.150	ug/L	99
52) Ethylbenzene	10.195	91	16586	2.029	ug/L	96
53) m,p-Xylene	10.305	106	5822	1.911	ug/L	98
54) o-Xylene	10.646	106	5647	1.860	ug/L	91
55) Styrene	10.659	104	9872	1.931	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	7211	2.701	ug/L	90
59) Bromoform	10.805	173	2350	2.104	ug/L #	96
60) Isopropylbenzene	10.963	105	14850	2.043	ug/L	98
61) 1,2,3-Trichloropropane	11.244	75	5435	2.468	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	11876	1.914	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	11627	1.855	ug/L	93
64) 1,3-Dichlorobenzene	11.975	146	6791	2.149	ug/L	94
65) 1,4-Dichlorobenzene	12.042	146	7069	2.201	ug/L	89
67) 1,2-Dichlorobenzene	12.341	146	7741	2.369	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	12.951	75	1737	2.391	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.115	180	4289	1.935	ug/L	91
70) 1,2,4-trichlorobenzene	13.591	180	3873	1.990	ug/L	97
71) Naphthalene	13.780	128	14199	1.763	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	4140	2.014	ug/L	97

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

Instrument :
MSVOA_X

ClientSampleId :
MDL-WATER-QT3-2022-05

Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022

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