

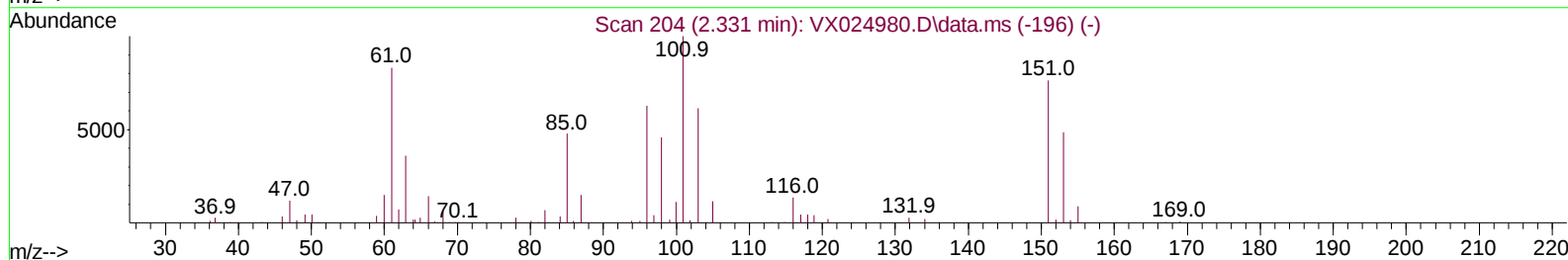
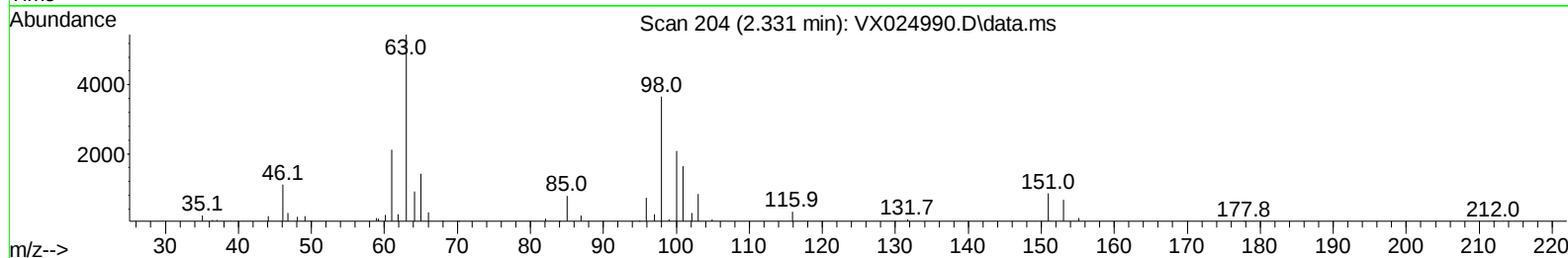
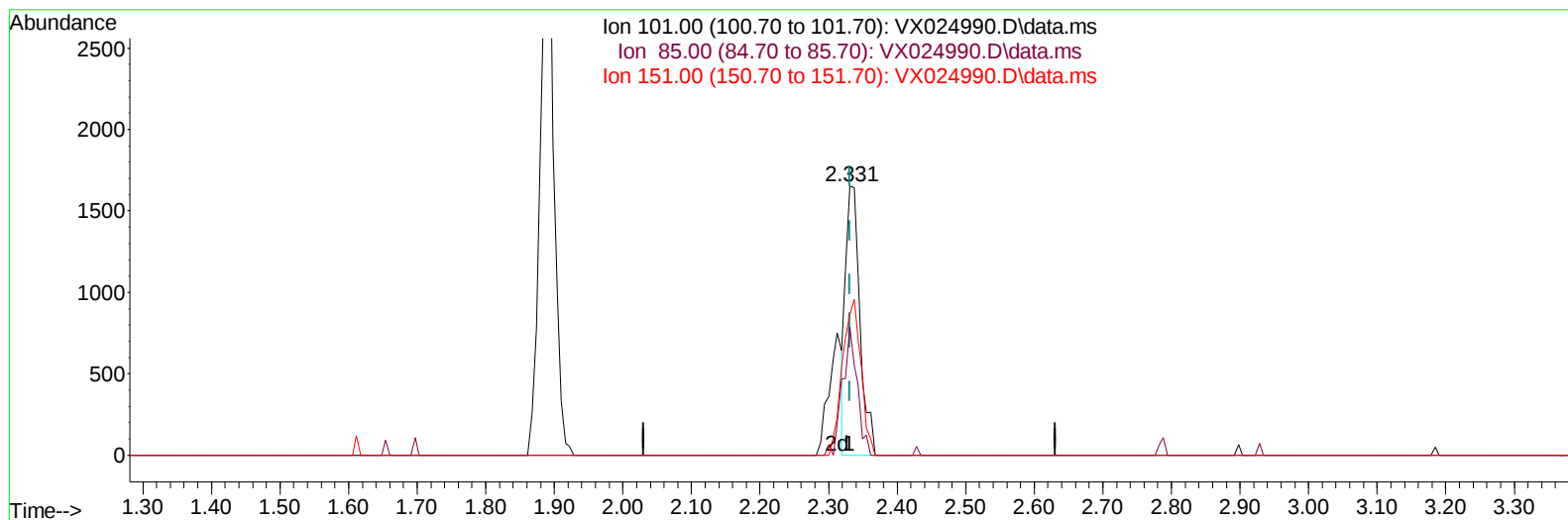
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 Data File : VX024990.D
 Acq On : 27 Oct 2021 23:19
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 12:57:31 PM

Quant Time: Oct 28 05:24:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:48:27 2021
 Response via : Initial Calibration



TIC: VX024990.D\data.ms

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

2.331min (-0.000) 2.08 ug/L

response 2385

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	44.10	47.97
151.00	77.90	75.14
0.00	0.00	0.00

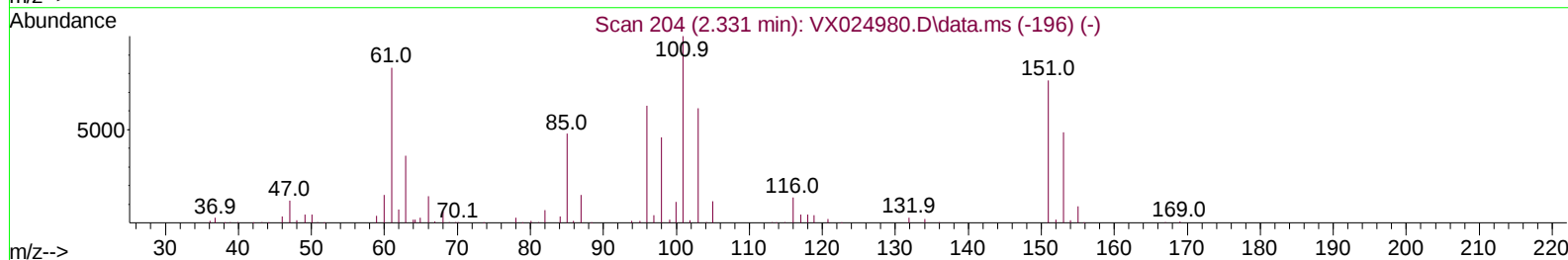
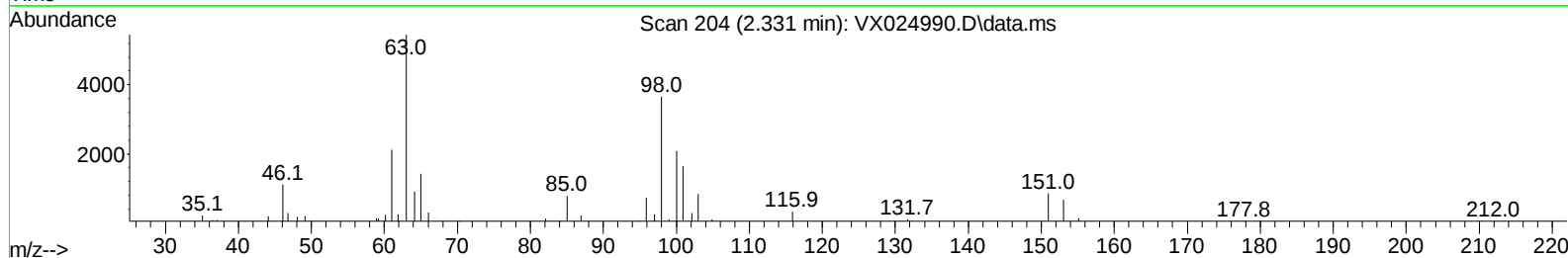
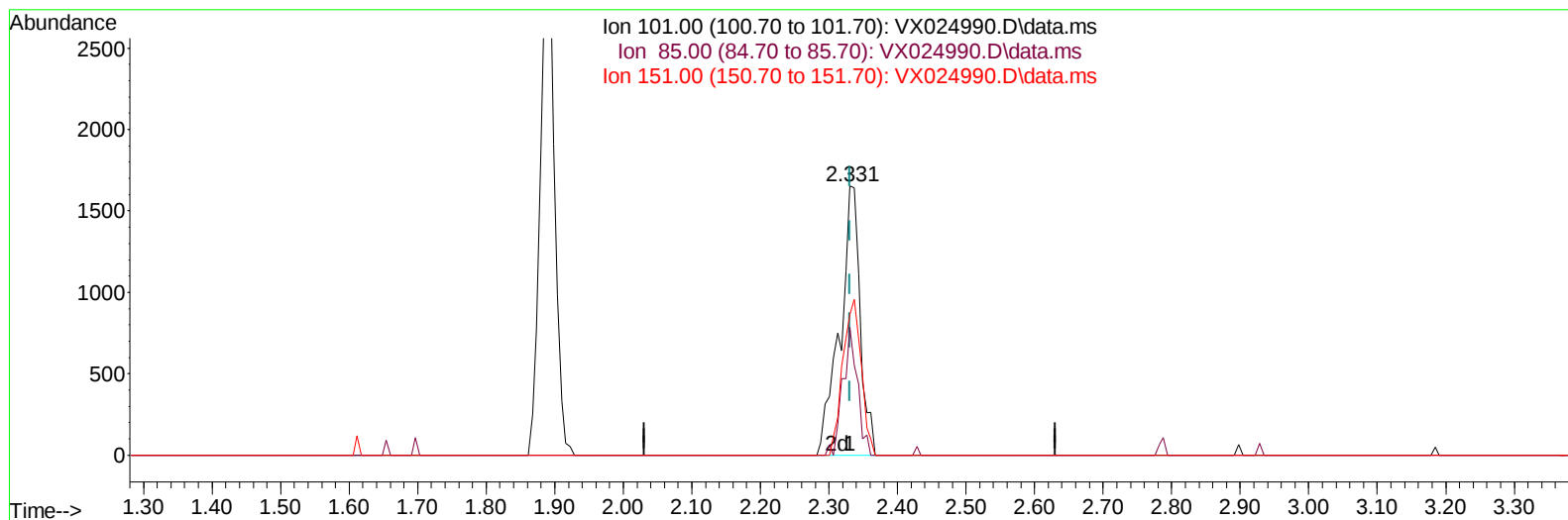
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 Data File : VX024990.D
 Acq On : 27 Oct 2021 23:19
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 12:57:31 PM

Quant Time: Oct 28 05:24:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:48:27 2021
 Response via : Initial Calibration



TIC: VX024990.D\data.ms

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

2.331min (-0.000) 2.96 ug/L m

response 3386

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	44.10	33.79#
151.00	77.90	52.92#
0.00	0.00	0.00

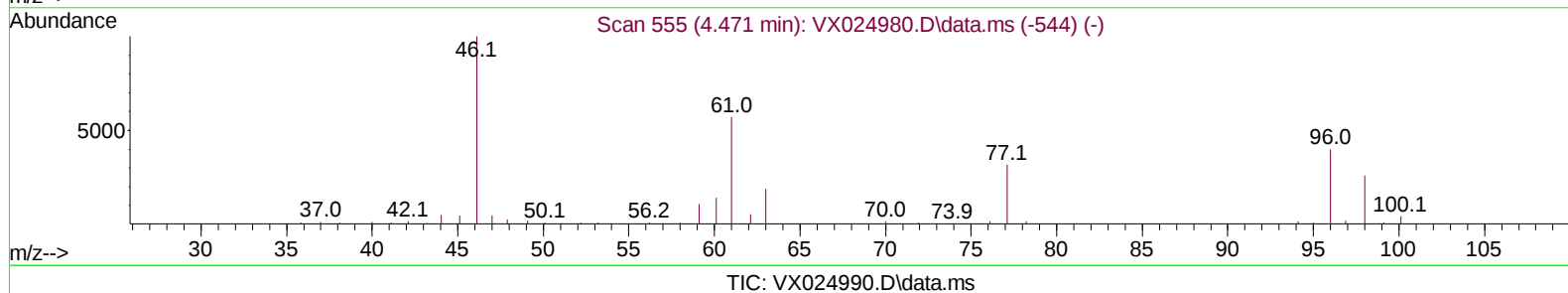
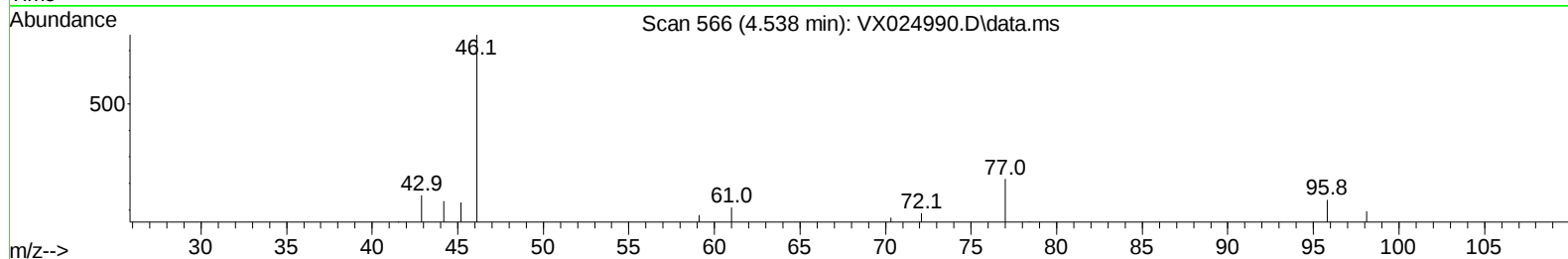
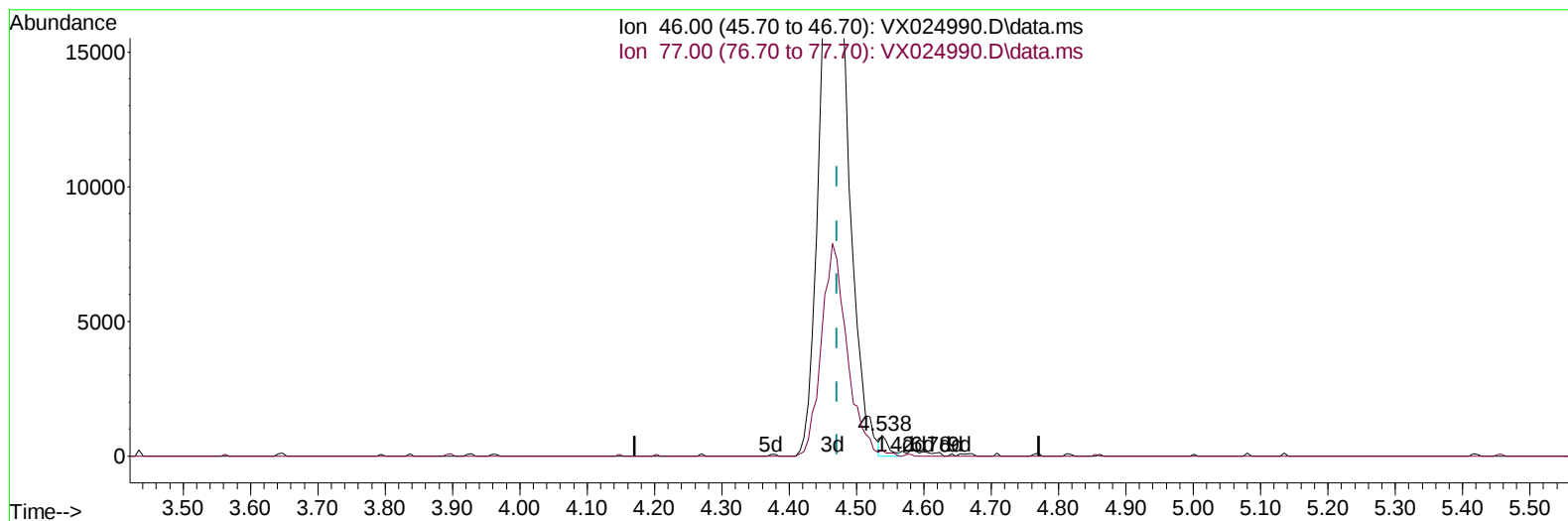
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024990.D
Acq On : 27 Oct 2021 23:19
Operator : JC/MD
Sample : MDL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Manual Integrations
APPROVED

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Quant Time: Oct 28 05:24:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 04:48:27 2021
Response via : Initial Calibration



(21) 2-Butanone-d5 (S)

4.538min (+ 0.067) 1.08 ug/L

response 649

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	20.60	18.18
0.00	0.00	0.00
0.00	0.00	0.00

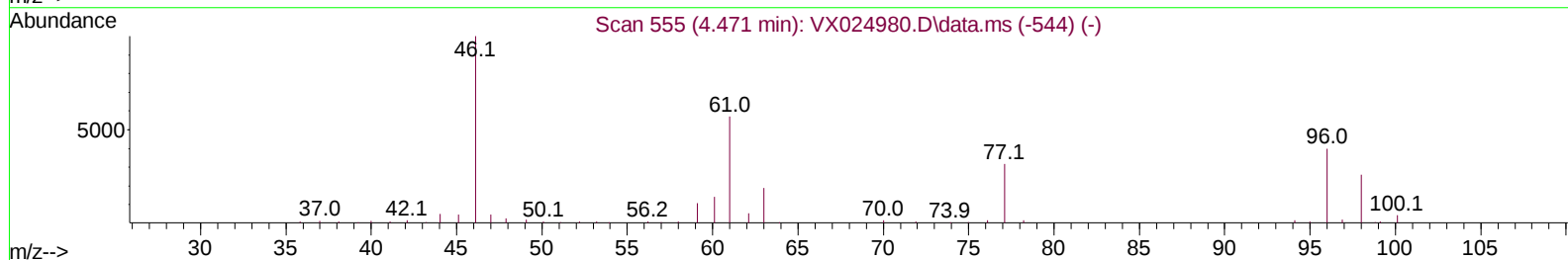
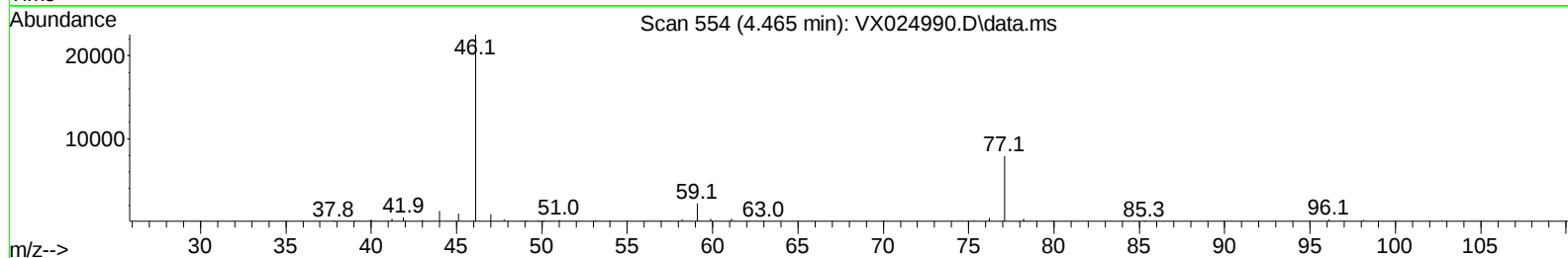
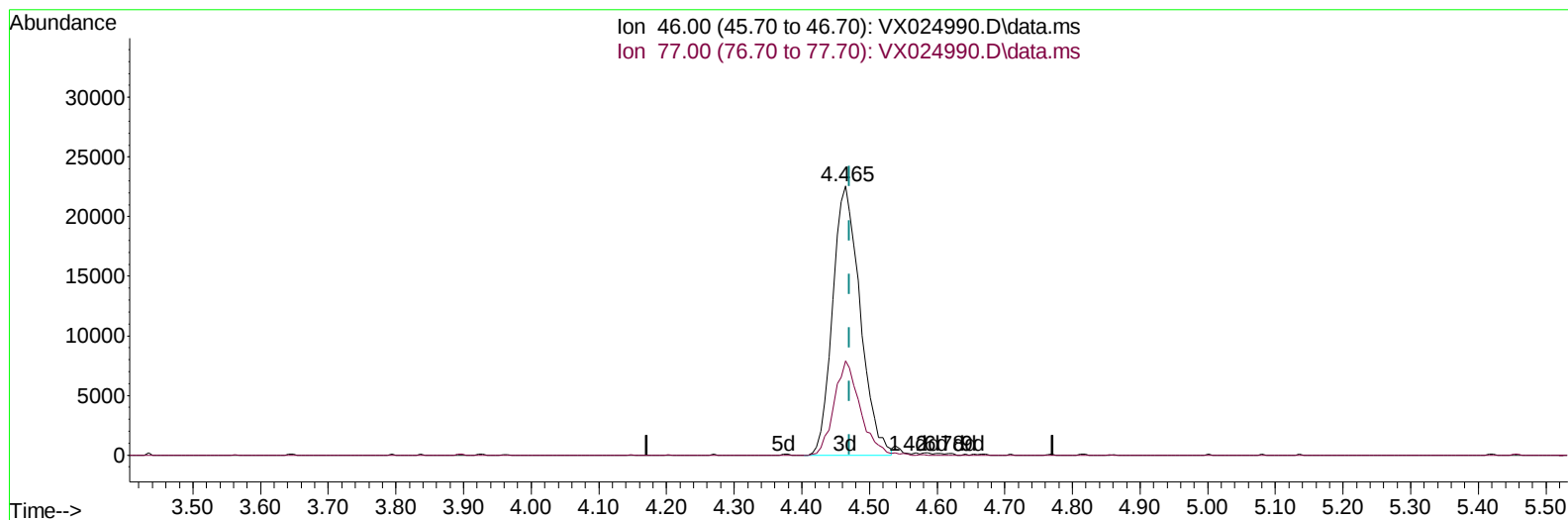
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 Data File : VX024990.D
 Acq On : 27 Oct 2021 23:19
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
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MMDadoda
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Quant Time: Oct 28 05:24:24 2021
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration



TIC: VX024990.D\data.ms

(21) 2-Butanone-d5 (S)

4.465min (-0.006) 105.07 ug/L m

response 63159

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	20.60	0.19#
0.00	0.00	0.00
0.00	0.00	0.00

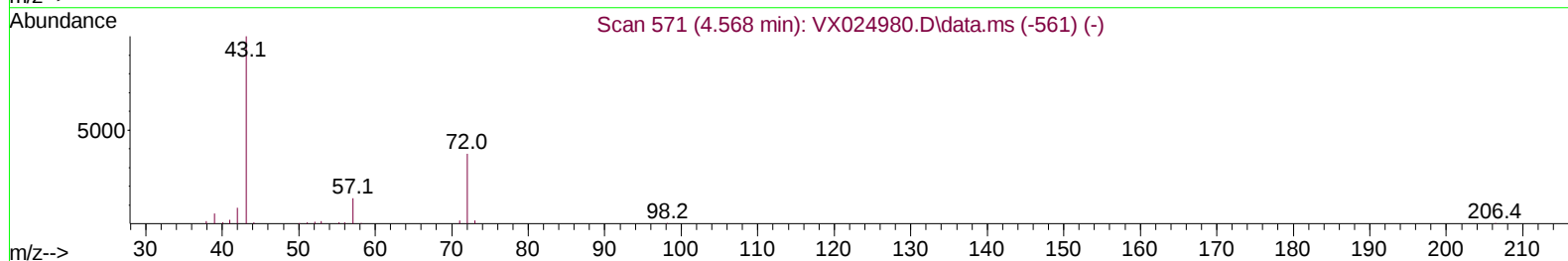
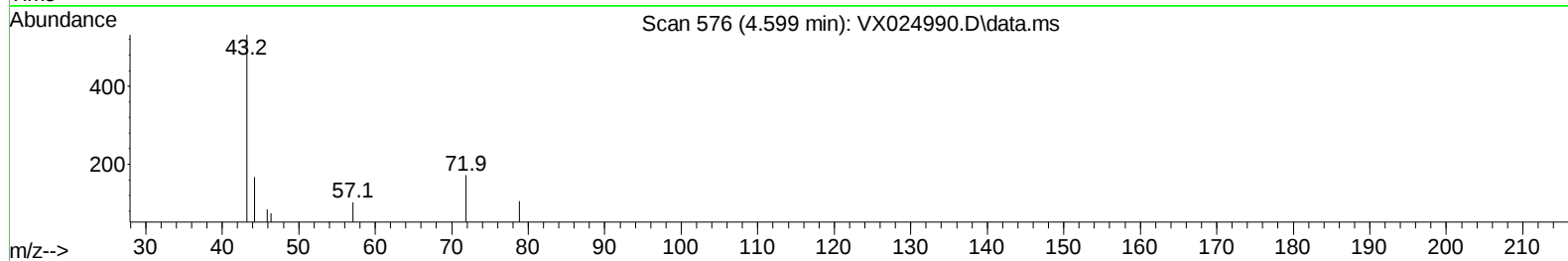
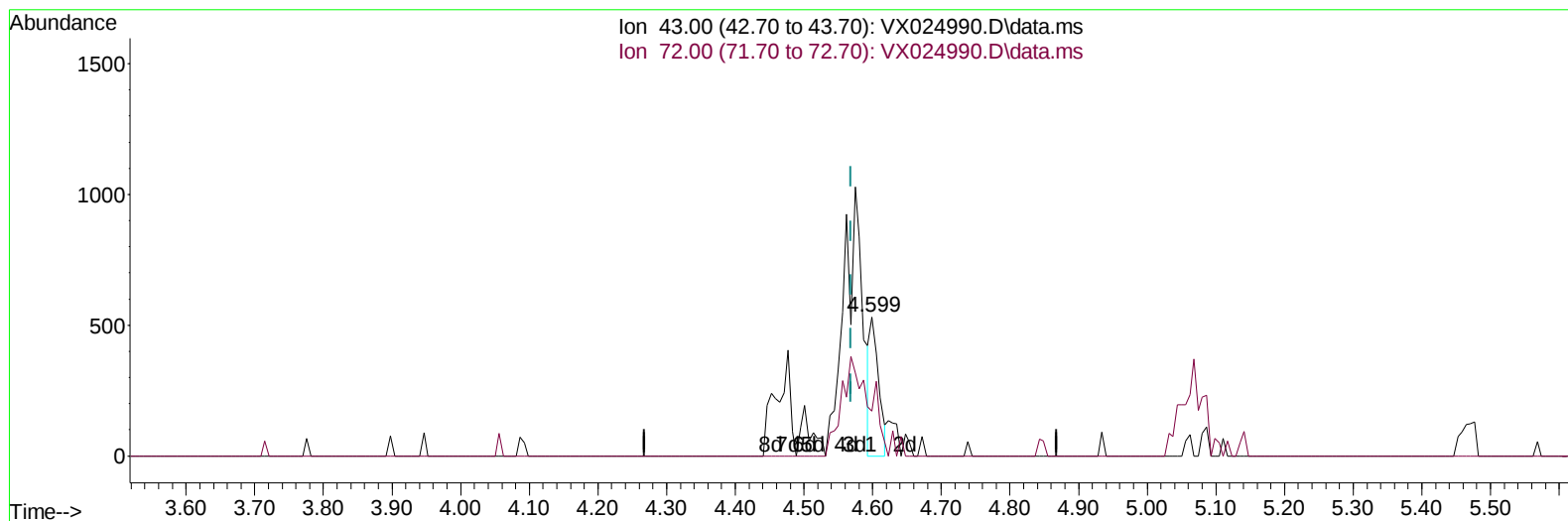
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 Data File : VX024990.D
 Acq On : 27 Oct 2021 23:19
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
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TIC: VX024990.D\data.ms

(22) 2-Butanone (T)

4.599min (+ 0.030) 0.83 ug/L

response 463

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	36.70	36.29
0.00	0.00	0.00
0.00	0.00	0.00

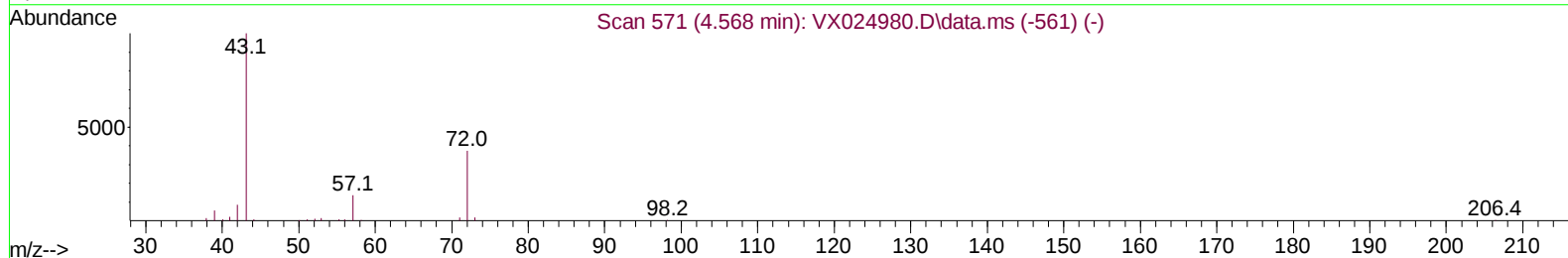
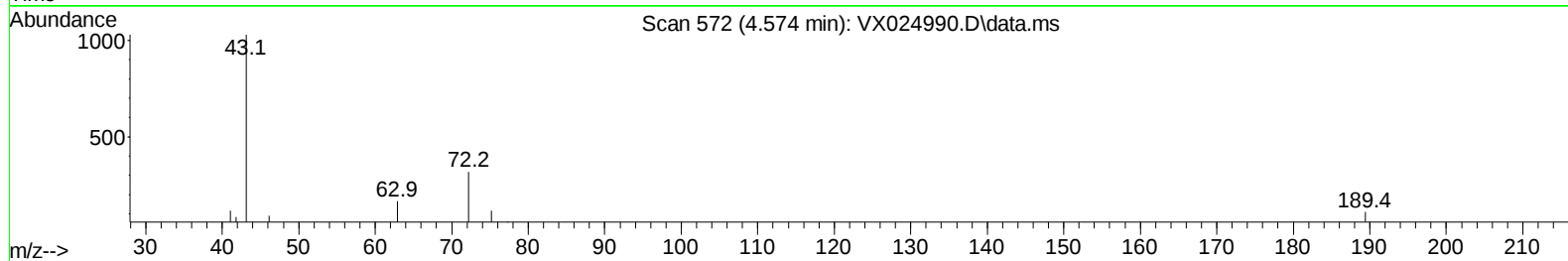
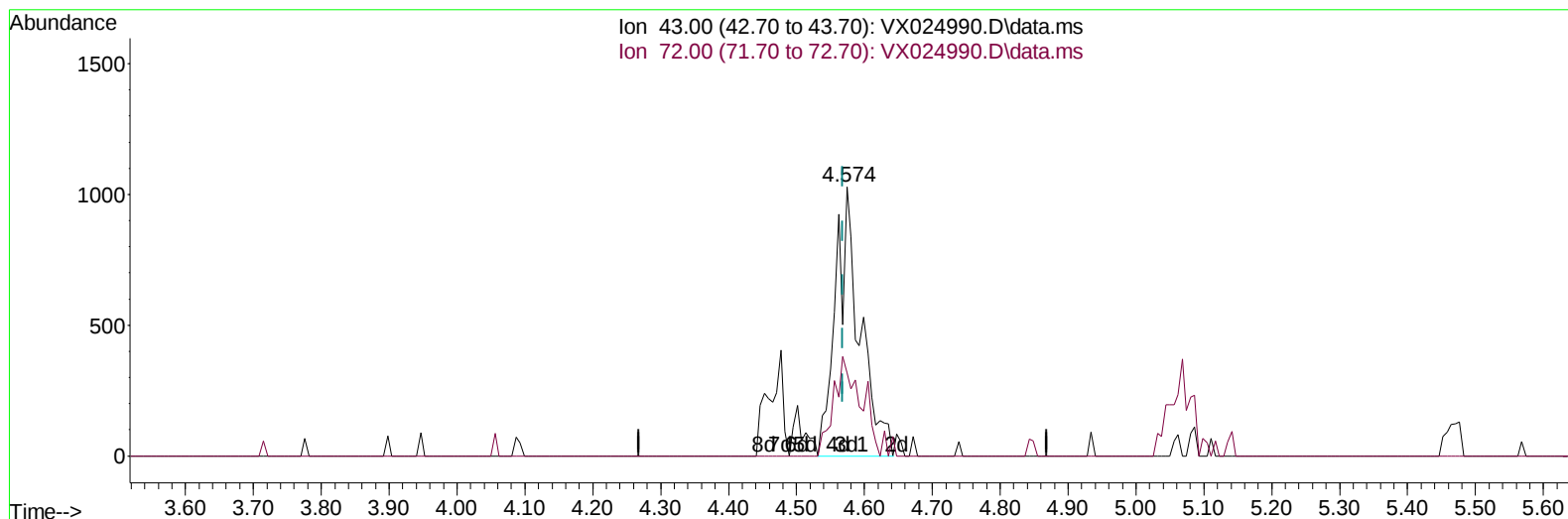
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 Data File : VX024990.D
 Acq On : 27 Oct 2021 23:19
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 12:57:31 PM

Quant Time: Oct 28 05:24:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:48:27 2021
 Response via : Initial Calibration



TIC: VX024990.D\data.ms

(22) 2-Butanone (T)

4.574min (+ 0.006) 4.61 ug/L m

response 2568

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	36.70	6.54#
0.00	0.00	0.00
0.00	0.00	0.00

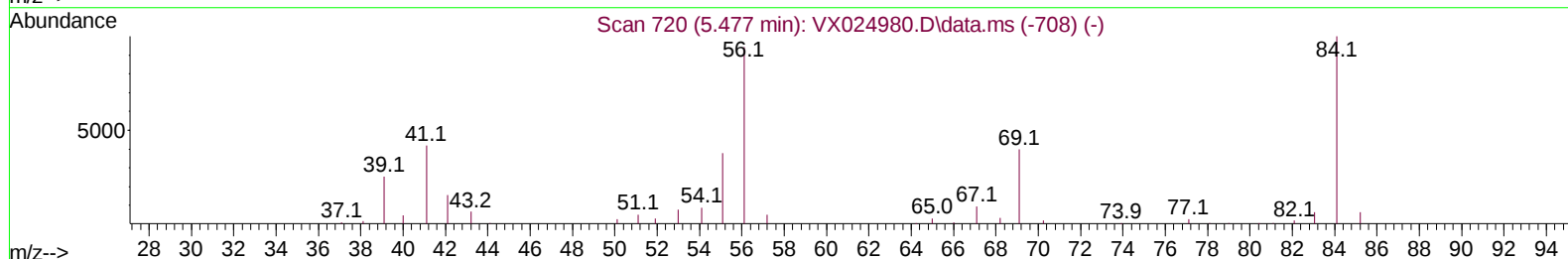
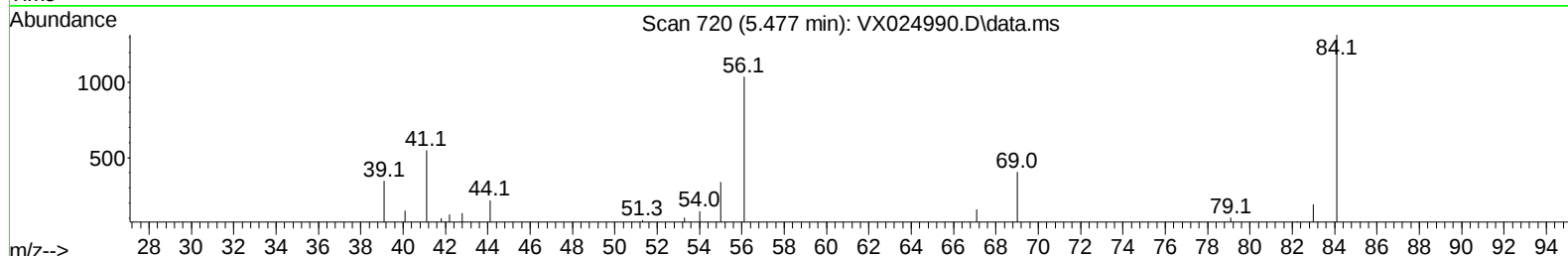
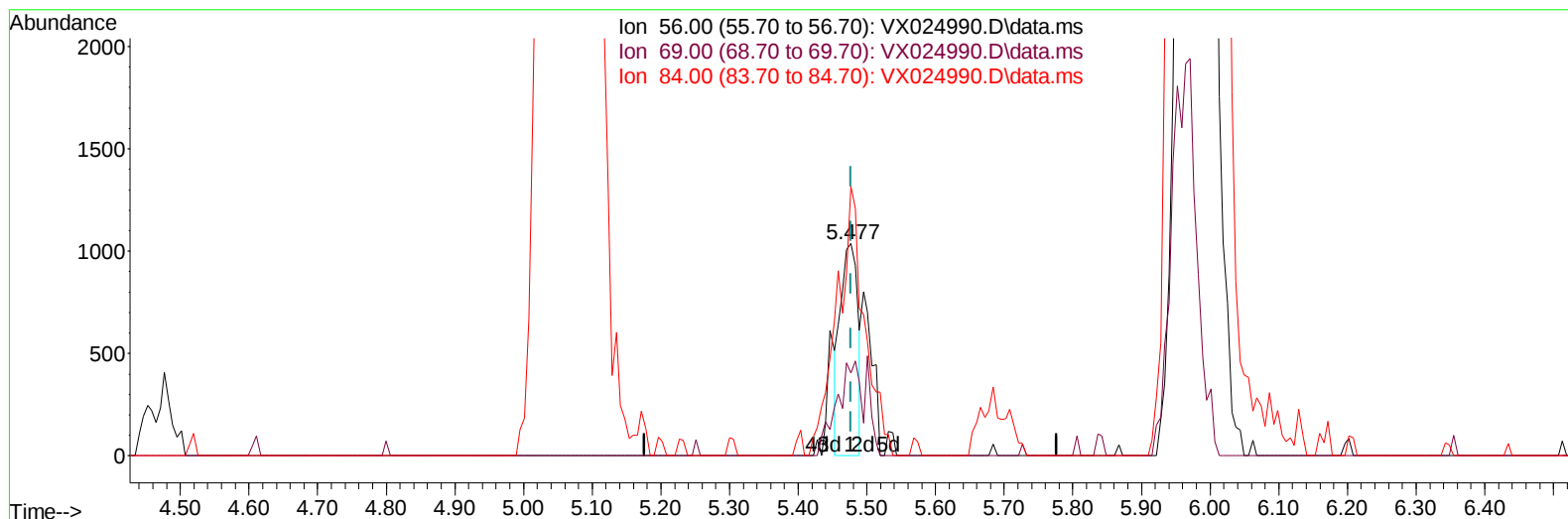
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 Data File : VX024990.D
 Acq On : 27 Oct 2021 23:19
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Oct 28 05:24:24 2021
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 Response via : Initial Calibration



TIC: VX024990.D\data.ms

(29) Cyclohexane (T)

5.477min (-0.000) 1.43 ug/L

response 1843

Ion	Exp%	Act%
56.00	100.00	100.00
69.00	38.50	36.73
84.00	108.50	80.25#
0.00	0.00	0.00

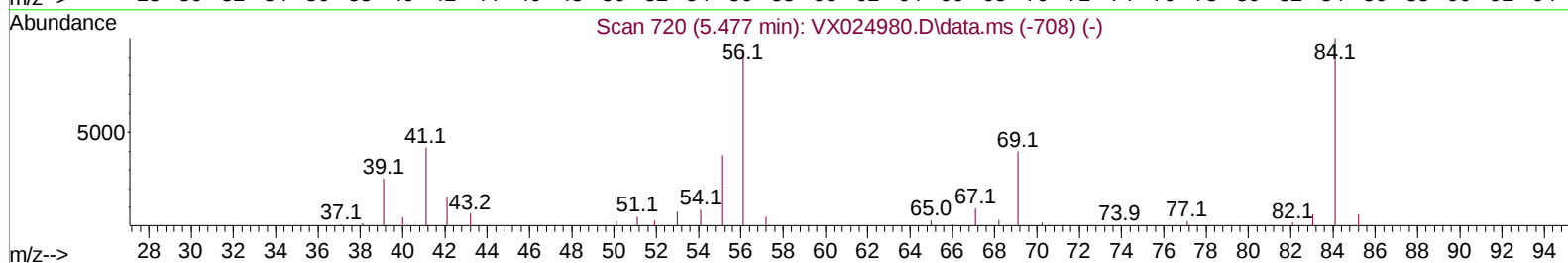
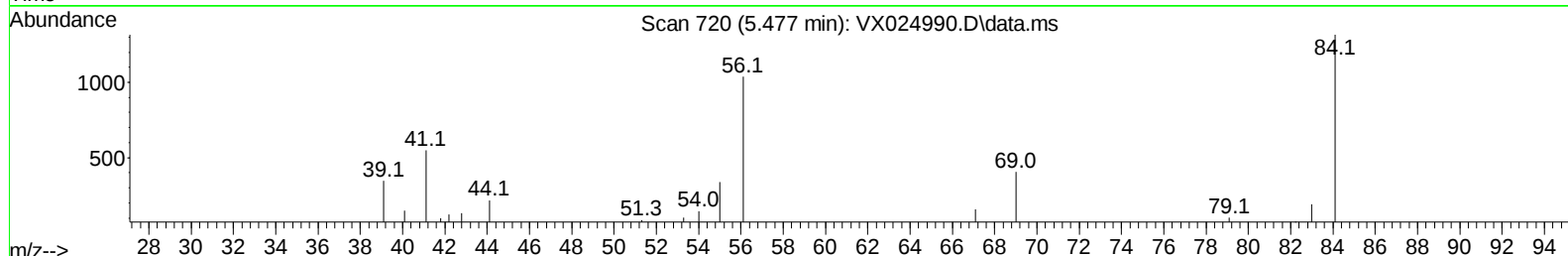
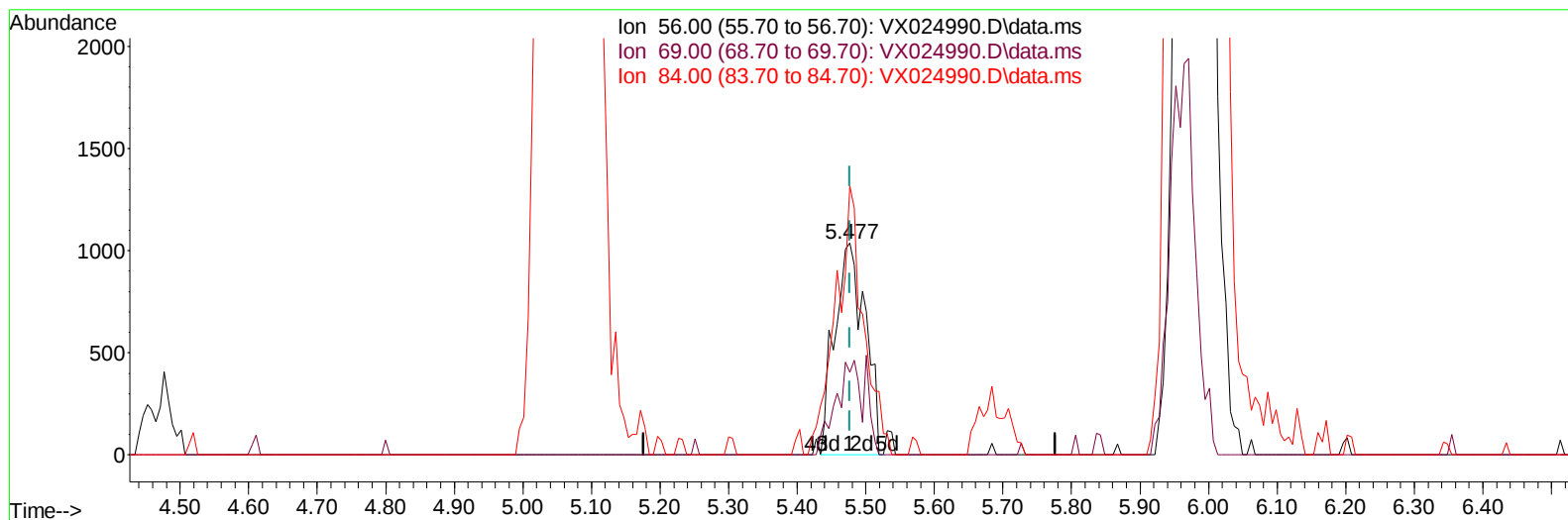
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 Data File : VX024990.D
 Acq On : 27 Oct 2021 23:19
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 12:57:31 PM

Quant Time: Oct 28 05:24:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:48:27 2021
 Response via : Initial Calibration



TIC: VX024990.D\data.ms

(29) Cyclohexane (T)

5.477min (-0.000) 2.47 ug/L m

response 3188

Ion	Exp%	Act%
56.00	100.00	100.00
69.00	38.50	21.24#
84.00	108.50	46.39#
0.00	0.00	0.00

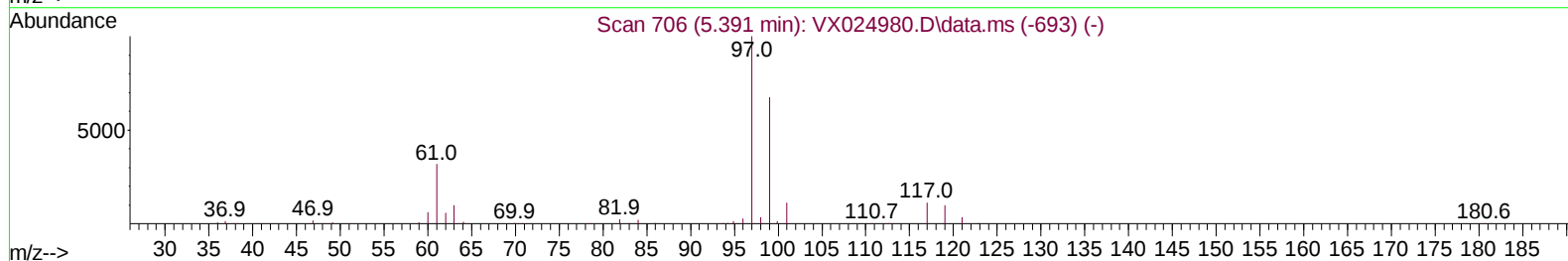
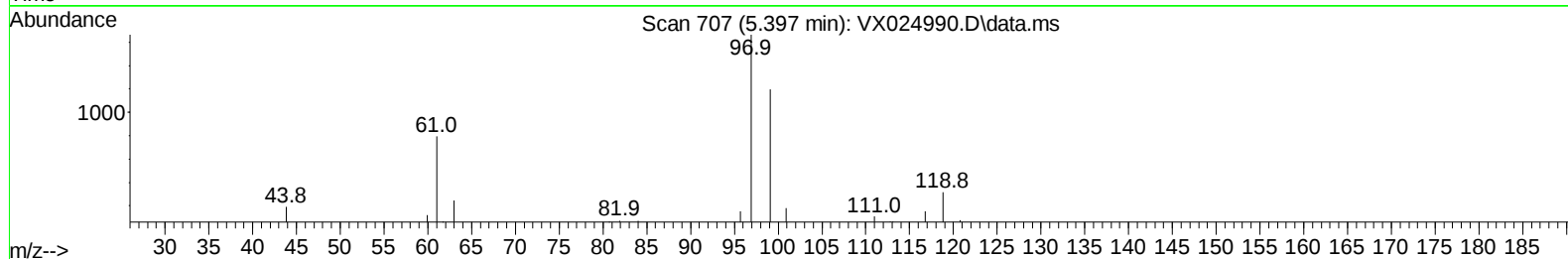
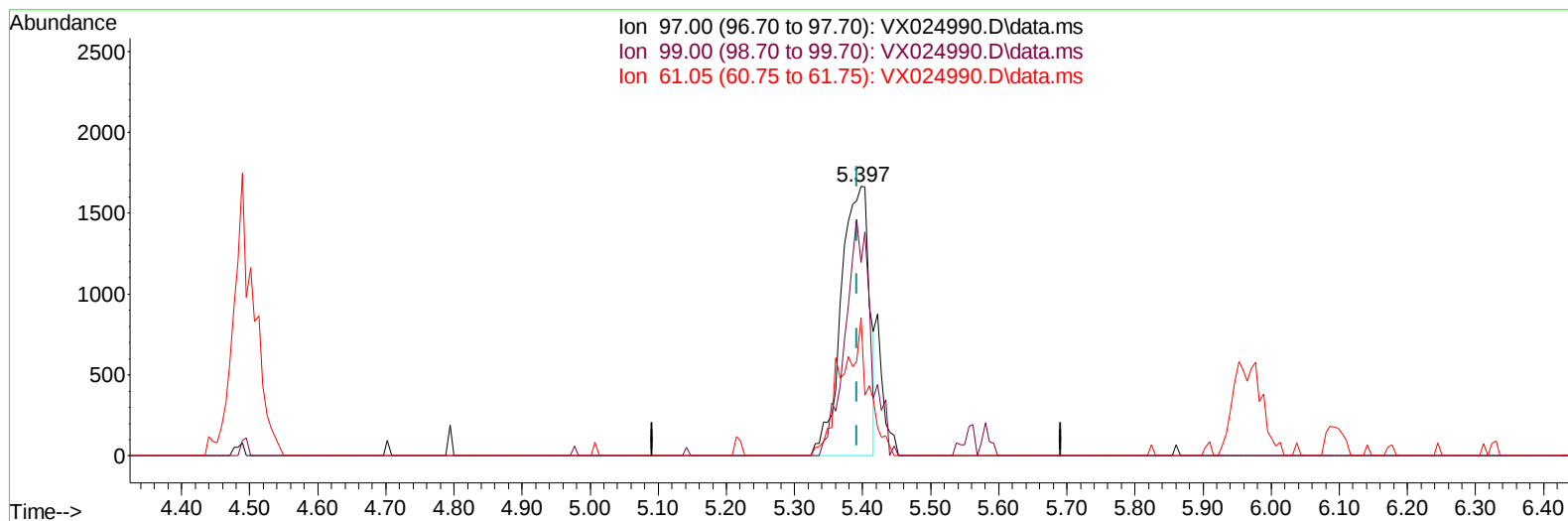
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Data File : VX024990.D
Acq On : 27 Oct 2021 23:19
Operator : JC/MD
Sample : MDL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:31 PM

Quant Time: Oct 28 05:24:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 04:48:27 2021
Response via : Initial Calibration



TIC: VX024990.D\data.ms

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

5.397min (+ 0.006) 1.97 ug/L

response 4785

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	66.40	72.56
61.05	32.90	6.25#
0.00	0.00	0.00

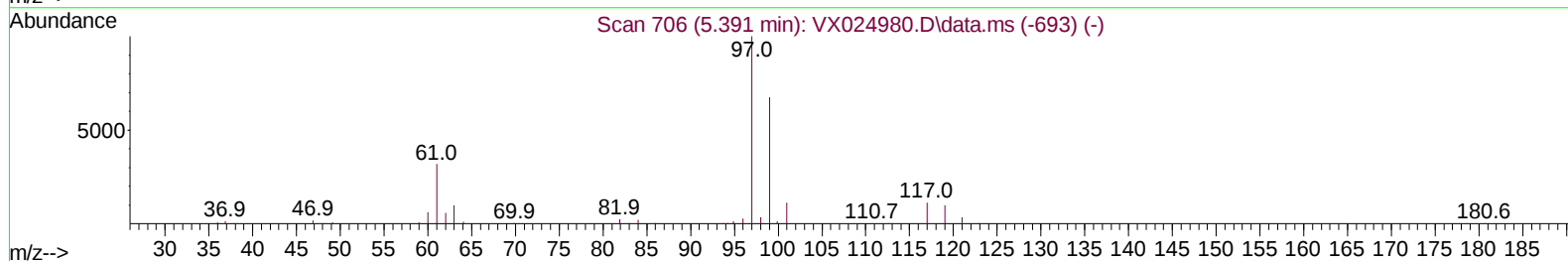
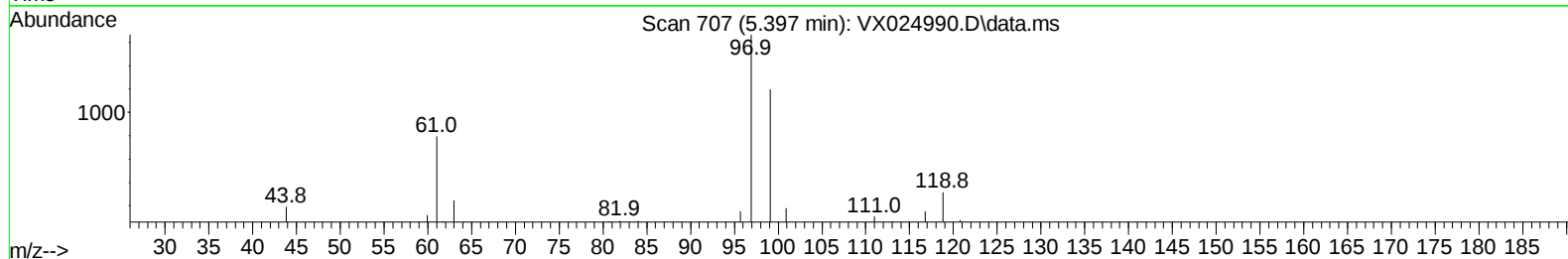
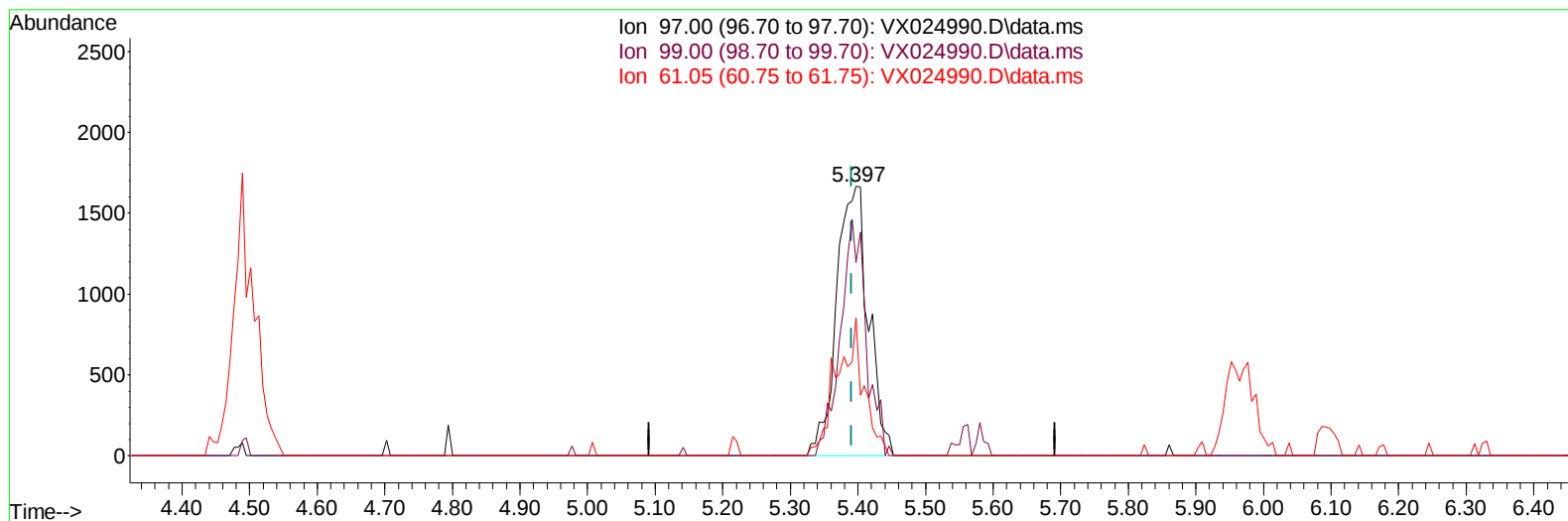
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Data File : VX024990.D
Acq On : 27 Oct 2021 23:19
Operator : JC/MD
Sample : MDL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:31 PM

Quant Time: Oct 28 05:24:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 04:48:27 2021
Response via : Initial Calibration



TIC: VX024990.D\data.ms

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

5.397min (+ 0.006) 2.24 ug/L m

response 5463

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	66.40	63.55
61.05	32.90	5.47#
0.00	0.00	0.00

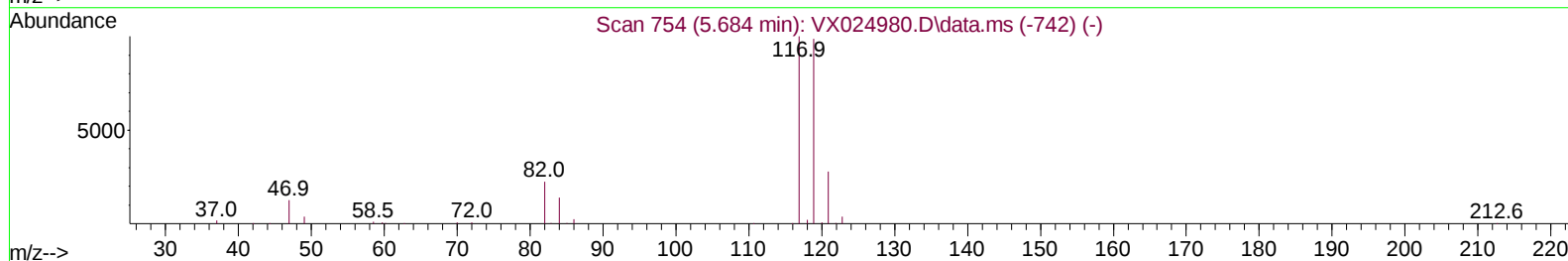
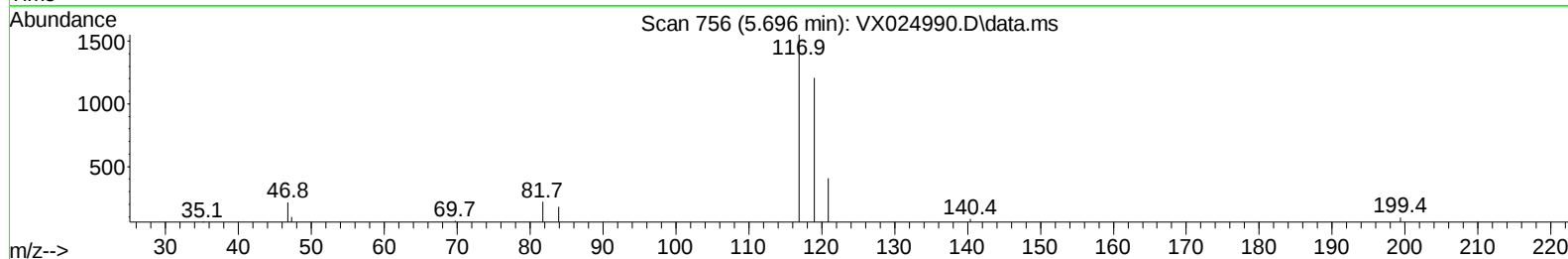
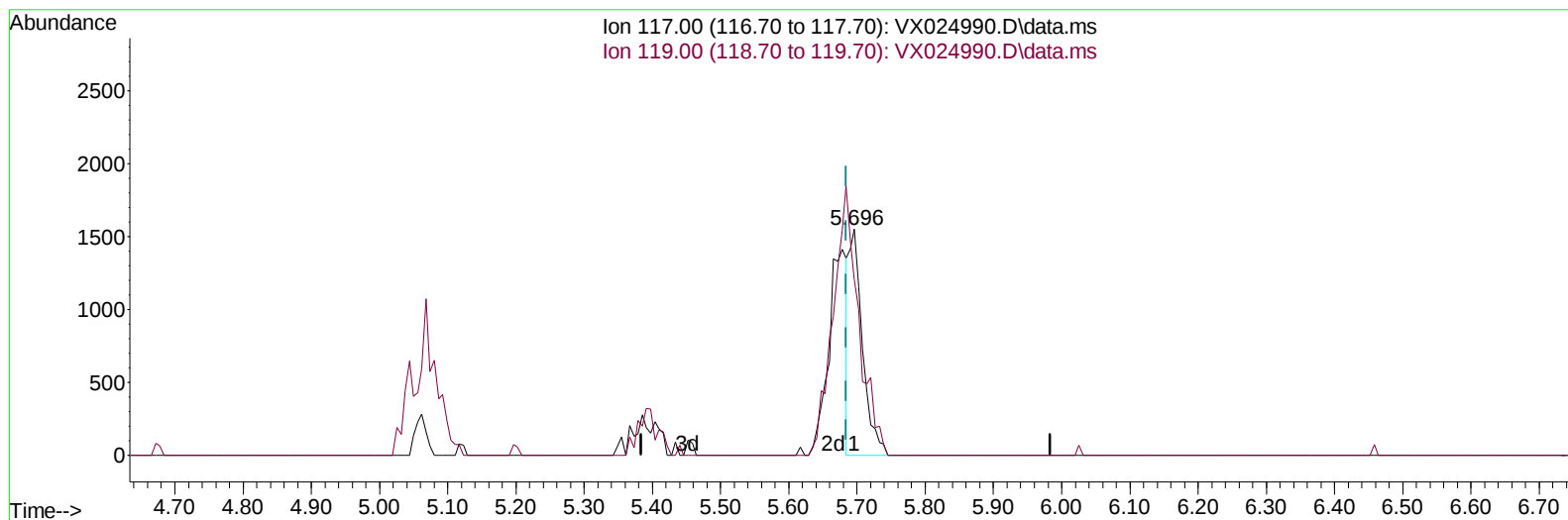
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Data File : VX024990.D
Acq On : 27 Oct 2021 23:19
Operator : JC/MD
Sample : MDL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:31 PM

Quant Time: Oct 28 05:24:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 04:48:27 2021
Response via : Initial Calibration



TIC: VX024990.D\data.ms

(31) Carbon tetrachloride (T)

5.696min (+ 0.012) 0.99 ug/L

response 2133

Ion	Exp%	Act%
117.00	100.00	100.00
119.00	95.00	208.25#
0.00	0.00	0.00
0.00	0.00	0.00

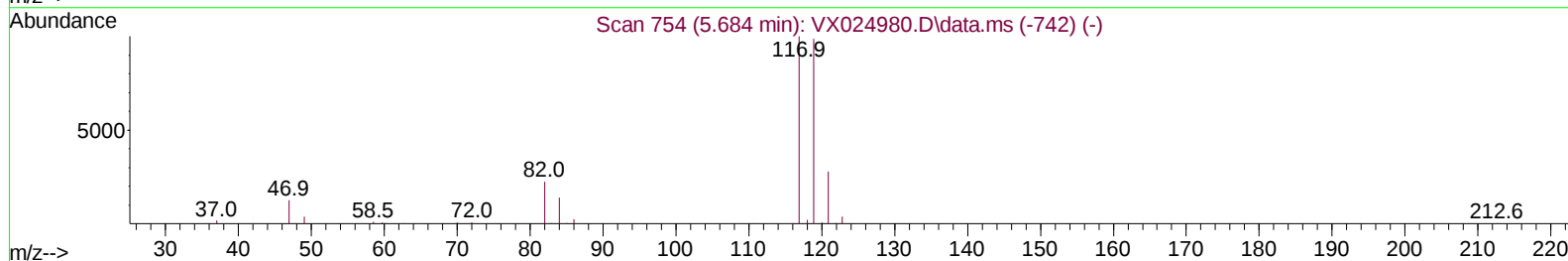
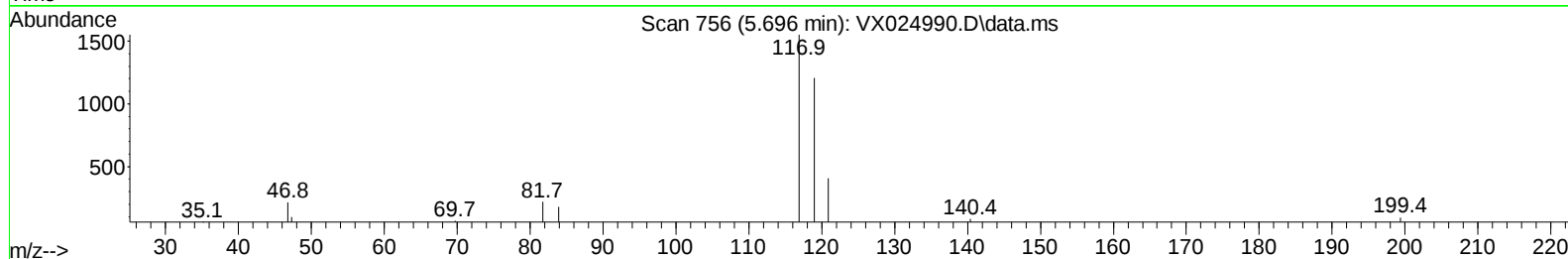
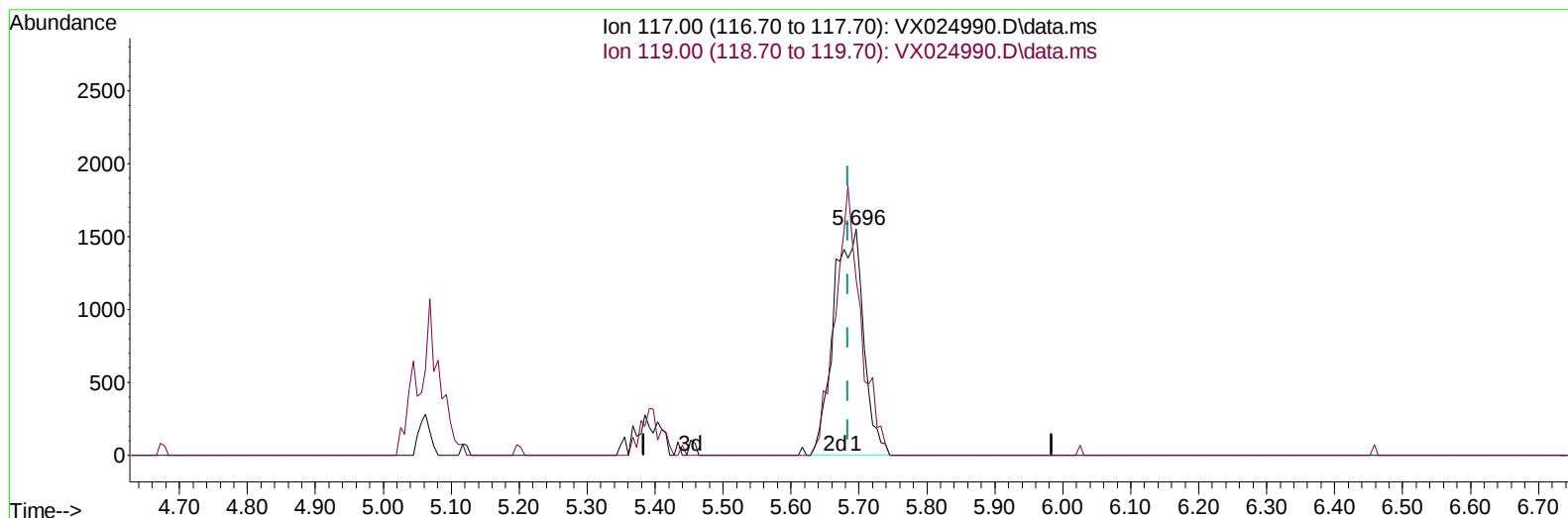
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024990.D
Acq On : 27 Oct 2021 23:19
Operator : JC/MD
Sample : MDL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:31 PM

Quant Time: Oct 28 05:24:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 04:48:27 2021
Response via : Initial Calibration



TIC: VX024990.D\data.ms

(31) Carbon tetrachloride (T)

5.696min (+ 0.012) 2.20 ug/L m

response 4751

Ion	Exp%	Act%
117.00	100.00	100.00
119.00	95.00	93.50
0.00	0.00	0.00
0.00	0.00	0.00

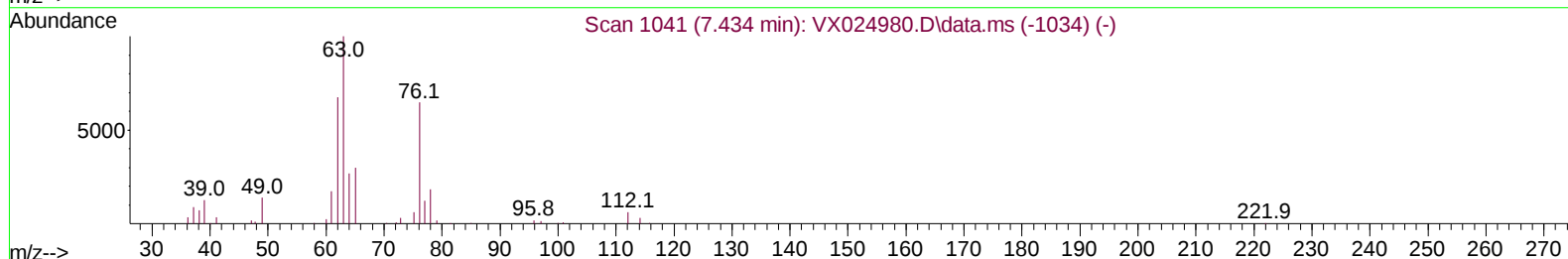
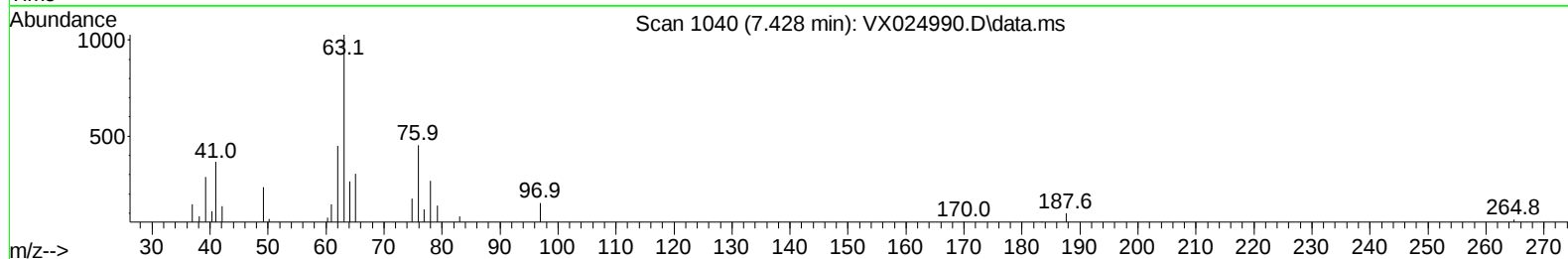
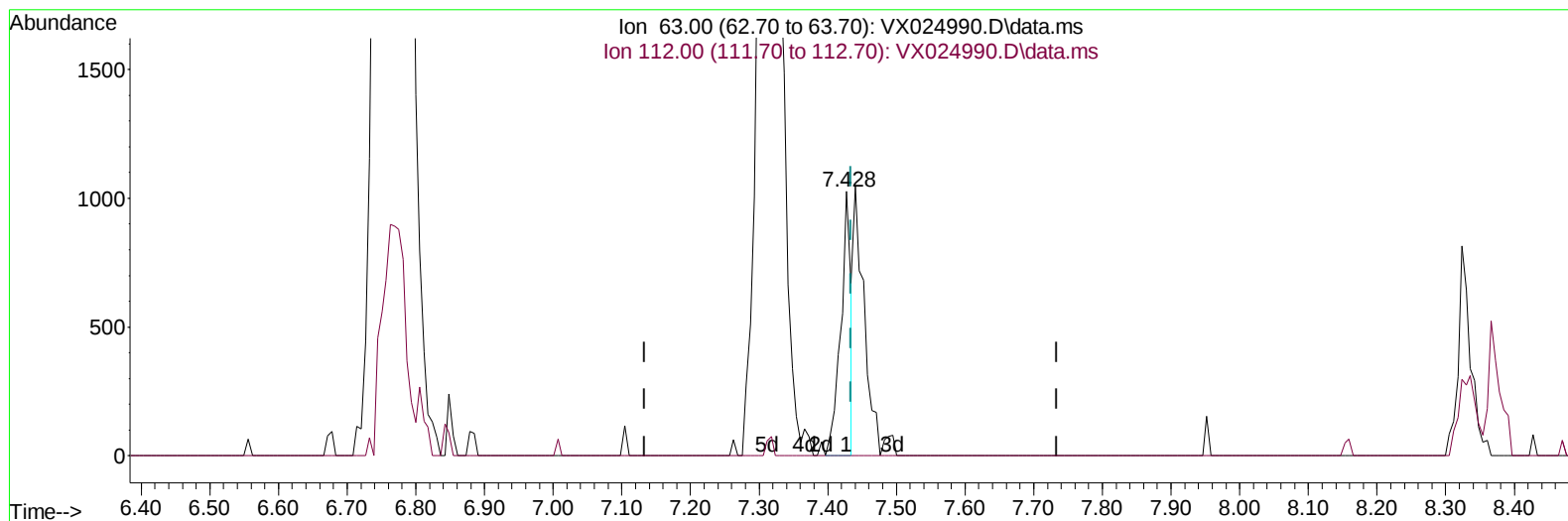
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 Data File : VX024990.D
 Acq On : 27 Oct 2021 23:19
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

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 11/1/2021 12:57:31 PM

Quant Time: Oct 28 05:24:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:48:27 2021
 Response via : Initial Calibration



TIC: VX024990.D\data.ms

(37) 1,2-Dichloropropane (T)

7.428min (-0.006) 1.12 ug/L

response 1058

Ion	Exp%	Act%
63.00	100.00	100.00
112.00	5.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

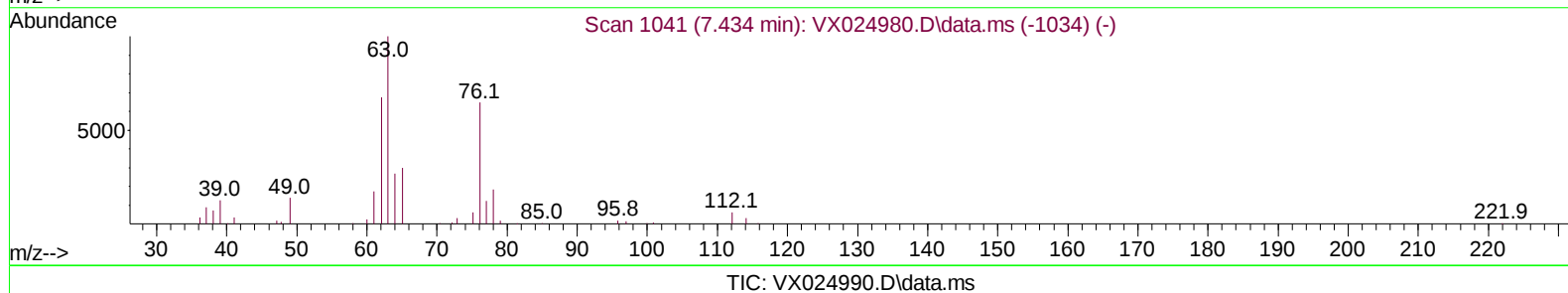
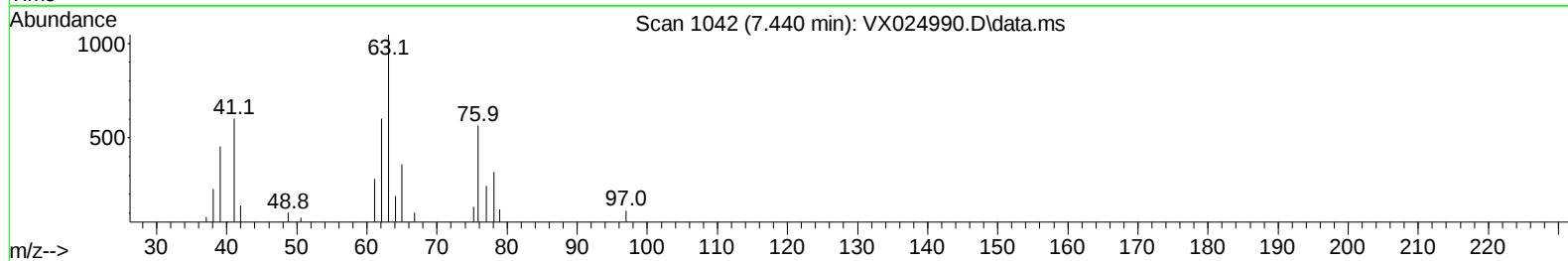
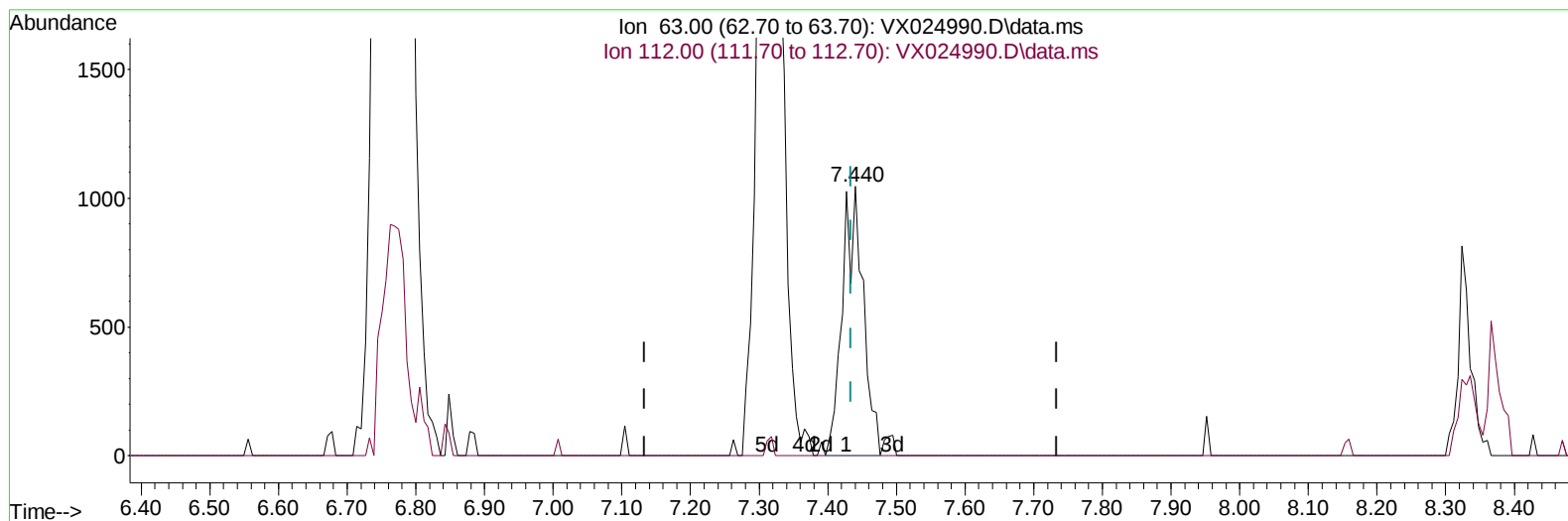
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024990.D
Acq On : 27 Oct 2021 23:19
Operator : JC/MD
Sample : MDL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Manual Integrations
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Quant Time: Oct 28 05:24:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 04:48:27 2021
Response via : Initial Calibration



(37) 1,2-Dichloropropane (T)

7.440min (+ 0.006) 2.32 ug/L m

response 2194

Ion	Exp%	Act%
63.00	100.00	100.00
112.00	5.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

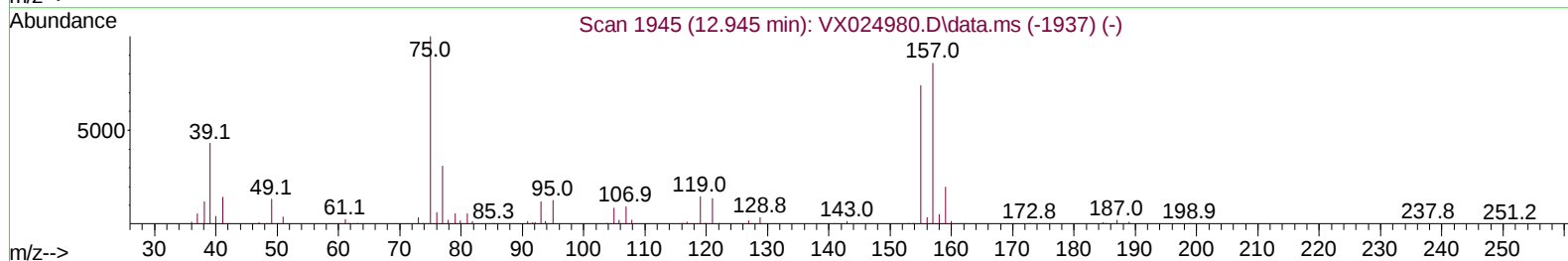
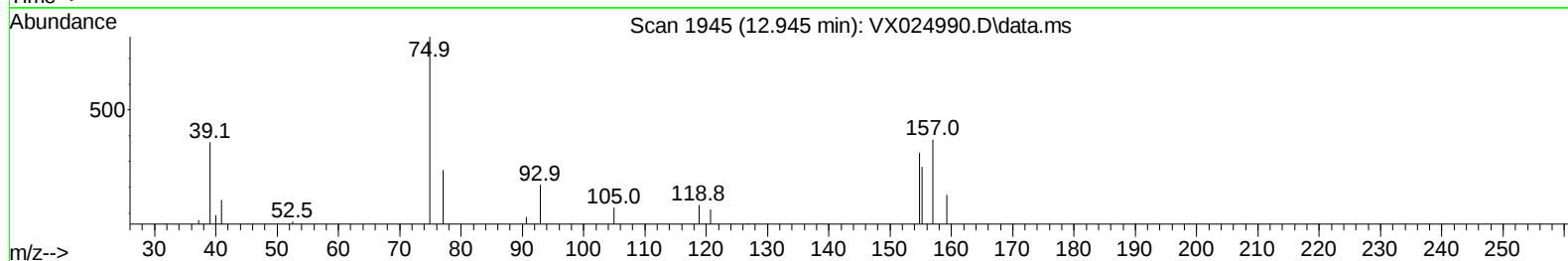
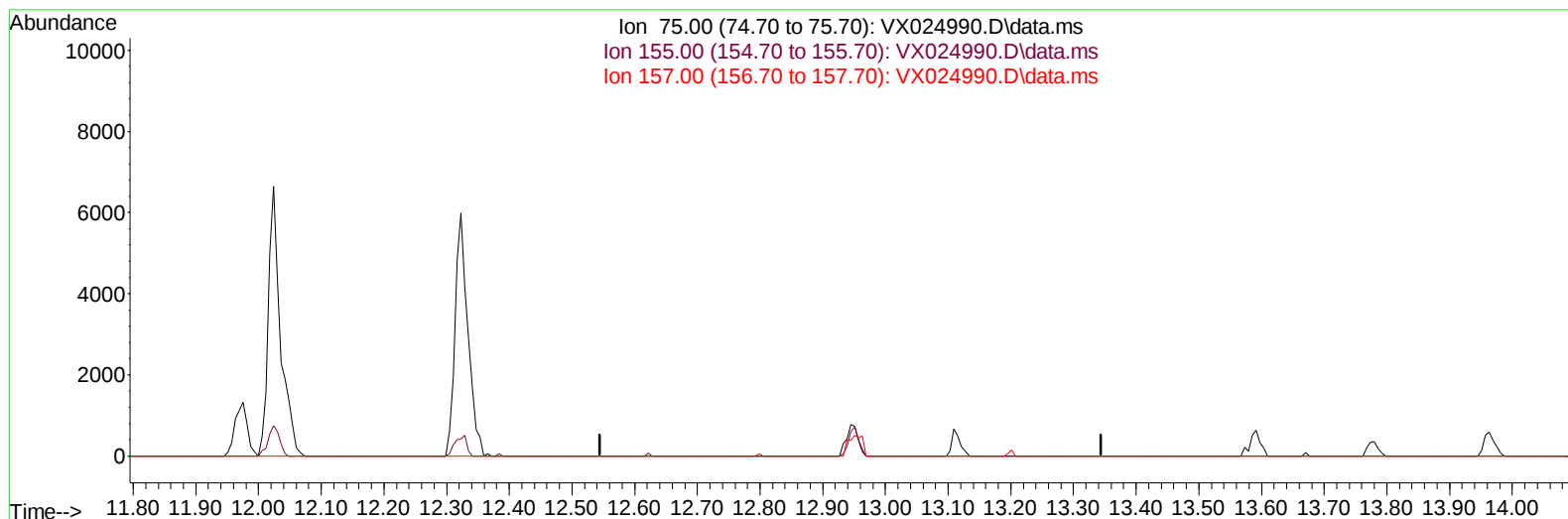
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
 Data File : VX024990.D
 Acq On : 27 Oct 2021 23:19
 Operator : JC/MD
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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:48:27 2021
 Response via : Initial Calibration



TIC: VX024990.D\data.ms

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

12.945min (-12.945) 0.00 ug/L

response 0

Ion	Exp%	Act%
75.00	100.00	0.00
155.00	74.10	0.00#
157.00	85.90	0.00#
0.00	0.00	0.00

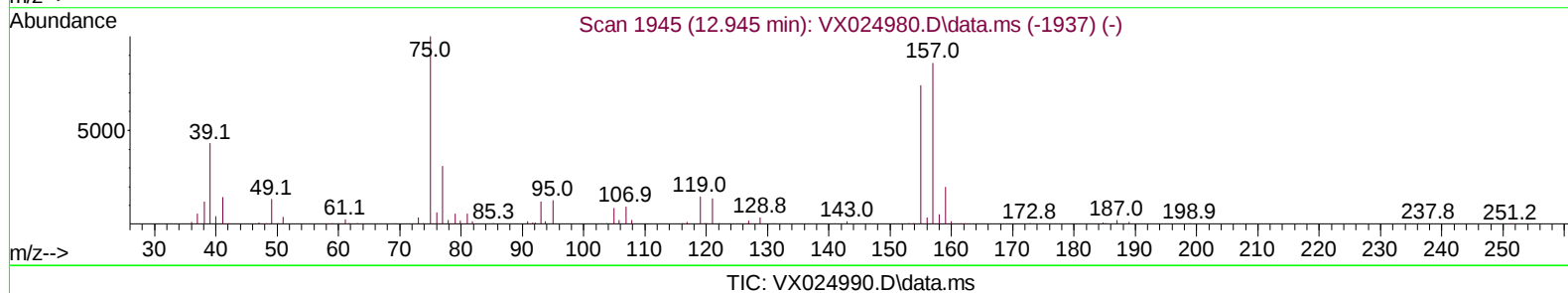
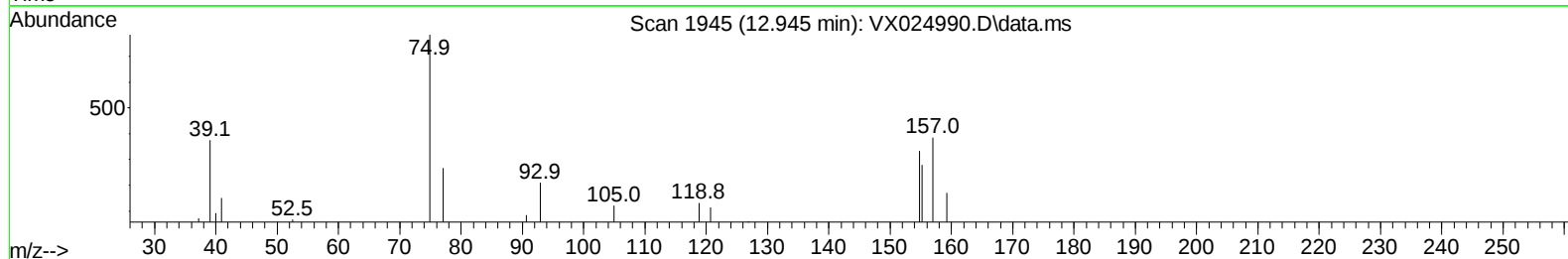
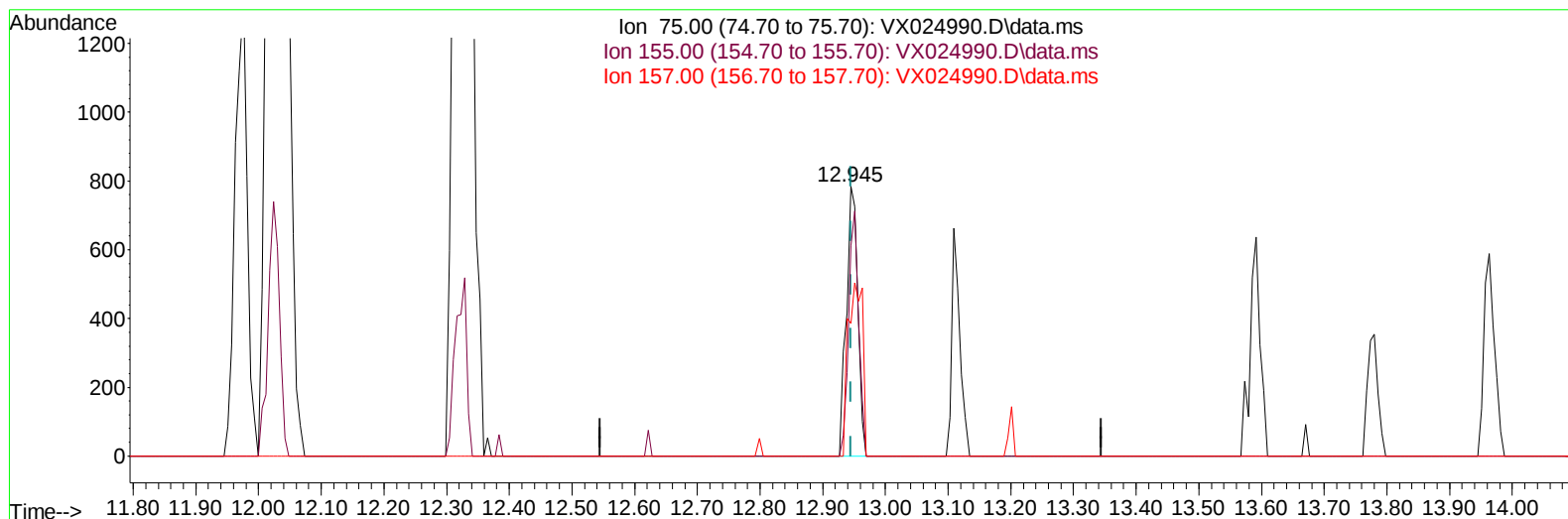
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024990.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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(68) 1,2-Dibromo-3-chloropropane (T)

12.945min (-0.000) 2.21 ug/L m

response 996

Ion	Exp%	Act%
75.00	100.00	100.00
155.00	74.10	42.35#
157.00	85.90	49.23#
0.00	0.00	0.00

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 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
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Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	161760	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	145207	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	67489	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	28046	45.741	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	91.480%	
7) Chloroethane-d5	1.666	69	20329	48.674	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	97.340%	
11) 1,1-Dichloroethene-d2	2.307	63	73847	37.526	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	75.060%	
21) 2-Butanone-d5	4.465	46	63159m	105.074	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	105.070%	
24) Chloroform-d	5.068	84	127092	48.547	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	97.100%	
26) 1,2-Dichloroethane-d4	5.964	65	85632	51.549	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	103.100%	
32) Benzene-d6	5.977	84	203407	52.631	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	105.260%	
36) 1,2-Dichloropropane-d6	7.312	67	61720	53.014	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	106.020%	
41) Toluene-d8	8.653	98	202646	51.527	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	103.060%	
43) trans-1,3-Dichloroprop...	8.952	79	35846	48.043	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	96.080%	
47) 2-Hexanone-d5	9.384	63	59991	110.257	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	110.260%	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	92933	52.583	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	105.160%	
66) 1,2-Dichlorobenzene-d4	12.323	152	71322	51.547	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	103.100%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3635	2.454	ug/L #	82
3) Chloromethane	1.288	50	1141	2.635	ug/L	87
5) Vinyl chloride	1.374	62	1574	2.658	ug/L #	53
6) Bromomethane	1.611	94	1428	2.982	ug/L	87
8) Chloroethane	1.691	64	972	2.938	ug/L #	76
9) Trichlorofluoromethane	1.892	101	4763	2.285	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	3386m	2.960	ug/L	
12) 1,1-Dichloroethene	2.319	96	2744	2.935	ug/L #	1
13) Acetone	2.392	43	1977	4.559	ug/L	98
14) Carbon disulfide	2.514	76	5537	2.388	ug/L #	94
15) Methyl Acetate	2.715	43	1961	2.706	ug/L	97
16) Methylene chloride	2.794	84	2960	2.827	ug/L	86
17) trans-1,2-Dichloroethene	3.093	96	2177	2.188	ug/L	81
18) Methyl tert-butyl Ether	3.117	73	8721	2.305	ug/L	99
19) 1,1-Dichloroethane	3.617	63	4216	2.301	ug/L	93
20) cis-1,2-Dichloroethene	4.501	96	2837	2.445	ug/L #	88
22) 2-Butanone	4.574	43	2568m	4.611	ug/L	
23) Bromochloromethane	4.910	128	1398	2.229	ug/L	91

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 Response via : Initial Calibration

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

25) Chloroform	5.093	83	6529	2.666	ug/L	95
27) 1,2-Dichloroethane	6.098	62	4255	2.278	ug/L #	89
29) Cyclohexane	5.477	56	3188m	2.472	ug/L	
30) 1,1,1-Trichloroethane	5.397	97	5463m	2.244	ug/L	
31) Carbon tetrachloride	5.696	117	4751m	2.197	ug/L	
33) Benzene	6.050	78	9777	2.491	ug/L	100
34) Trichloroethene	7.135	95	3284	2.572	ug/L	90
35) Methylcyclohexane	7.391	83	3940	2.305	ug/L #	78
37) 1,2-Dichloropropane	7.440	63	2194m	2.319	ug/L	
38) Bromodichloromethane	7.824	83	4412	2.538	ug/L	96
39) cis-1,3-Dichloropropene	8.372	75	3781	2.165	ug/L	92
40) 4-Methyl-2-pentanone	8.580	43	4822	4.674	ug/L	98
42) Toluene	8.720	91	14198	3.121	ug/L	95
44) trans-1,3-Dichloropropene	8.982	75	4457	2.417	ug/L	96
45) 1,1,2-Trichloroethane	9.159	97	3054	2.693	ug/L	91
46) Tetrachloroethene	9.269	164	1988	2.205	ug/L #	79
48) 2-Hexanone	9.433	43	4703	5.877	ug/L #	95
49) Dibromochloromethane	9.525	129	3118	2.209	ug/L	82
50) 1,2-Dibromoethane	9.610	107	3020	2.326	ug/L #	96
51) Chlorobenzene	10.079	112	7019	2.405	ug/L #	84
52) Ethylbenzene	10.195	91	11217	2.127	ug/L	92
53) m,p-Xylene	10.305	106	4526	2.381	ug/L	95
54) o-Xylene	10.646	106	3794	2.032	ug/L	93
55) Styrene	10.659	104	6470	2.098	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.213	83	4487	2.598	ug/L #	88
59) Bromoform	10.799	173	1604	1.907	ug/L #	73
60) Isopropylbenzene	10.963	105	11431	2.282	ug/L	97
61) 1,2,3-Trichloropropane	11.244	75	3642	2.582	ug/L	98
62) 1,3,5-Trimethylbenzene	11.457	105	9043	2.063	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	9802	2.236	ug/L	99
64) 1,3-Dichlorobenzene	11.975	146	4431	2.120	ug/L #	81
65) 1,4-Dichlorobenzene	12.043	146	4862	2.325	ug/L	95
67) 1,2-Dichlorobenzene	12.341	146	5130	2.465	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.945	75	996m	2.211	ug/L	
69) 1,3,5-Trichlorobenzene	13.122	180	3081	2.118	ug/L	96
70) 1,2,4-trichlorobenzene	13.591	180	2188	1.773	ug/L #	89
71) Naphthalene	13.780	128	7081	1.666	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	2568	2.018	ug/L	94

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

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