

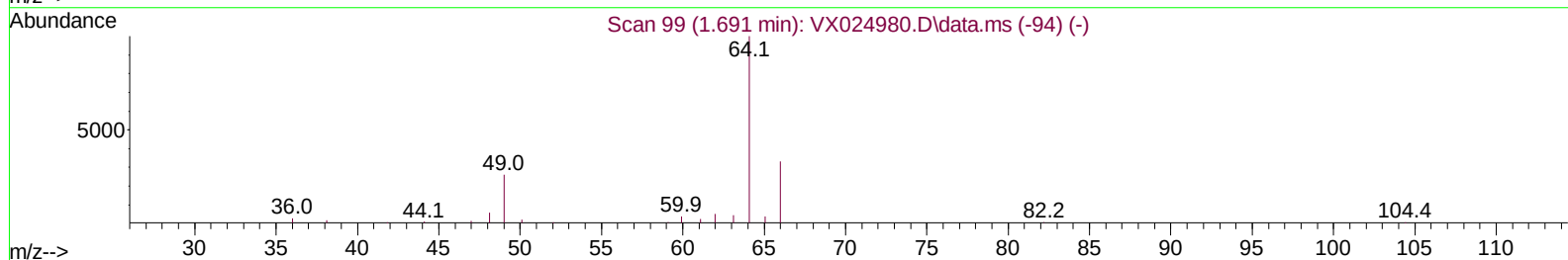
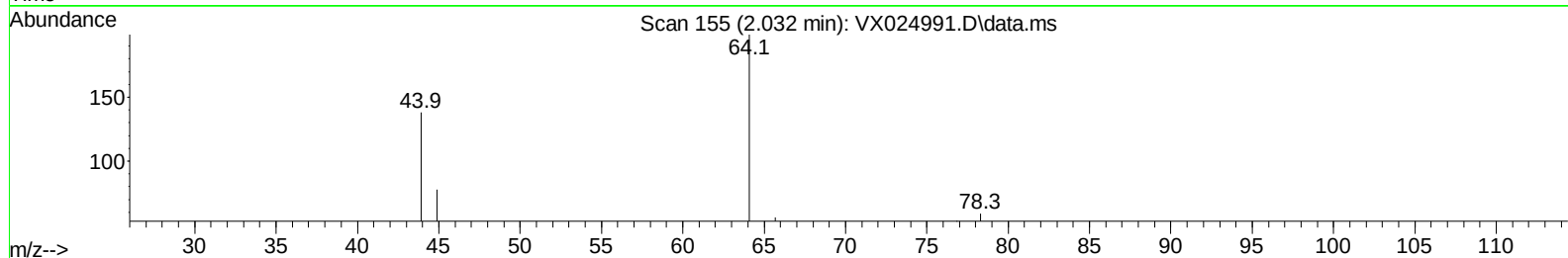
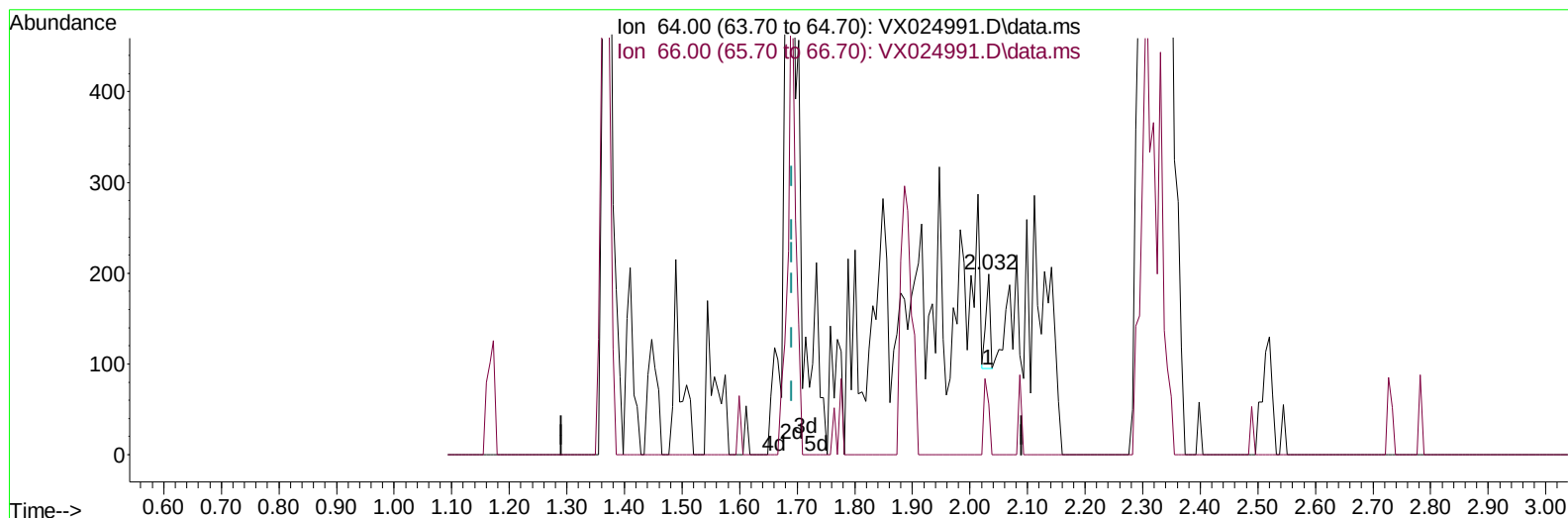
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024991.D
Acq On : 27 Oct 2021 23:42
Operator : JC/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:34 PM

Quant Time: Oct 28 05:28:18 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: VX024991.D\data.ms

(8) Chloroethane (T)

2.032min (+ 0.341) 0.17 ug/L

response 54

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	33.30	28.14
0.00	0.00	0.00
0.00	0.00	0.00

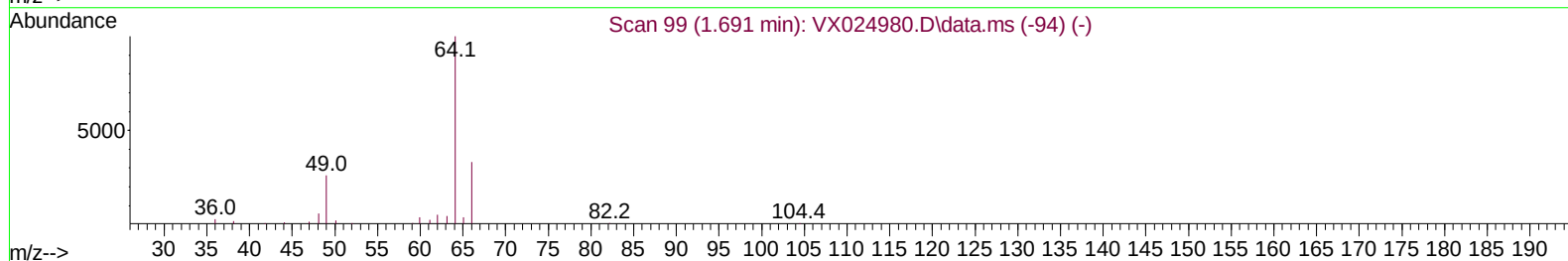
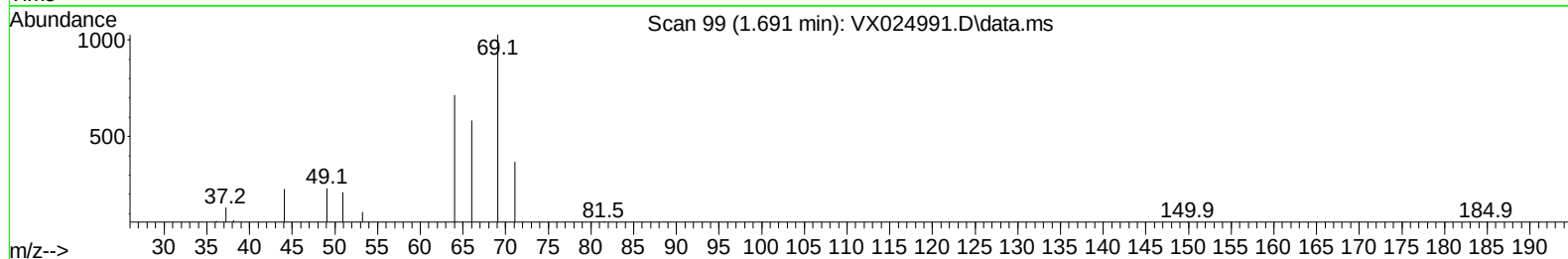
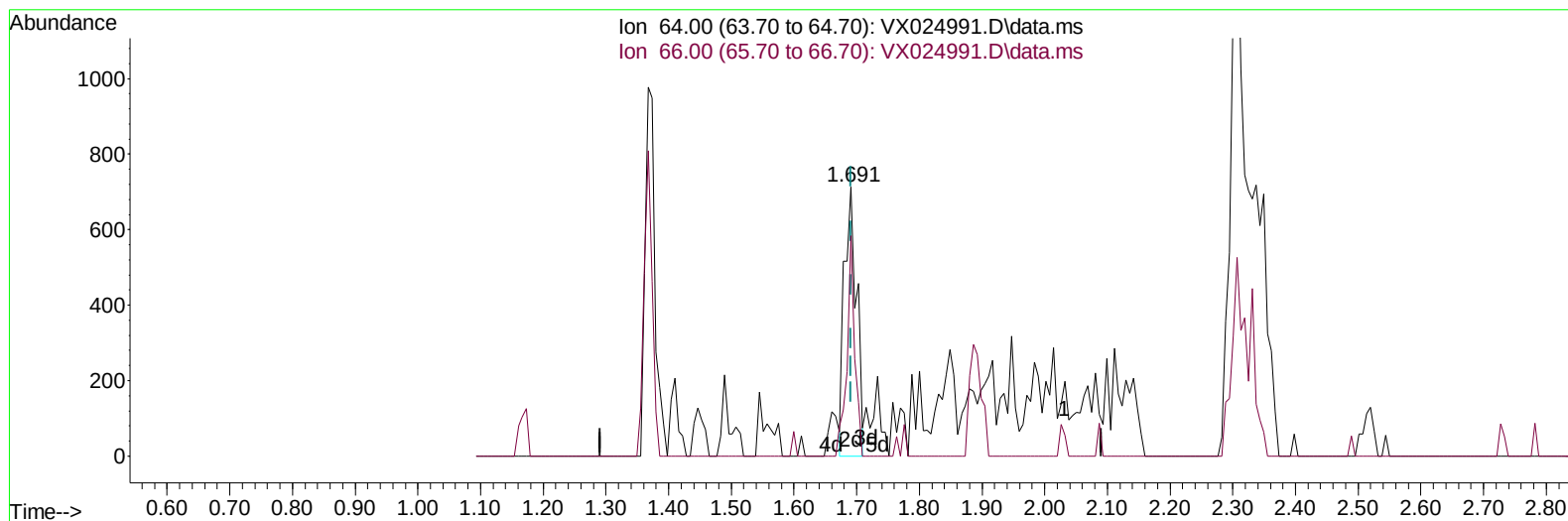
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TIC: VX024991.D\data.ms

(8) Chloroethane (T)

1.691min (+ 0.000) 3.02 ug/L m

response 976

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	33.30	81.79#
0.00	0.00	0.00
0.00	0.00	0.00

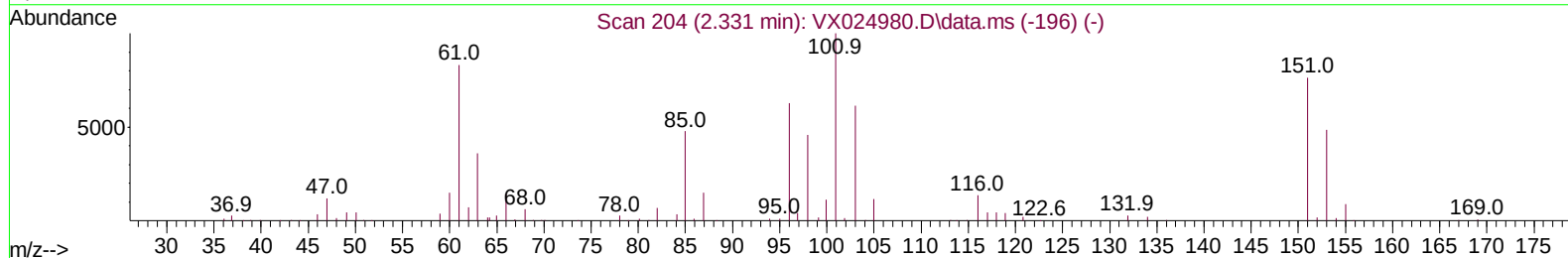
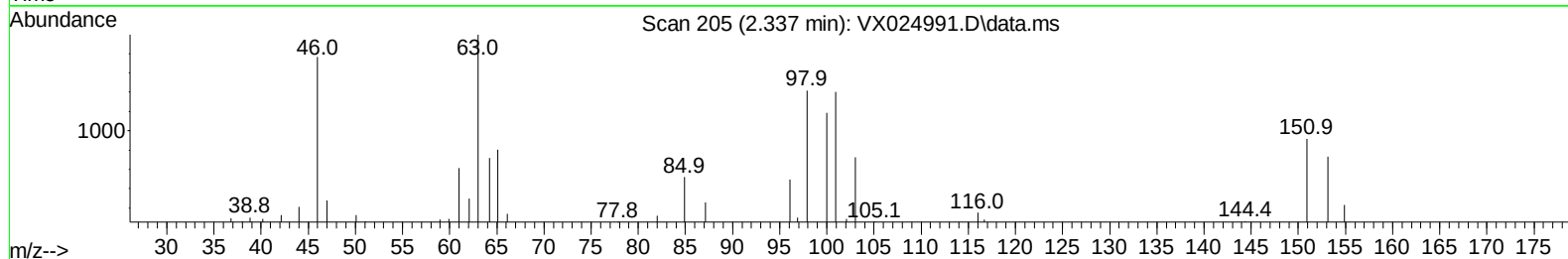
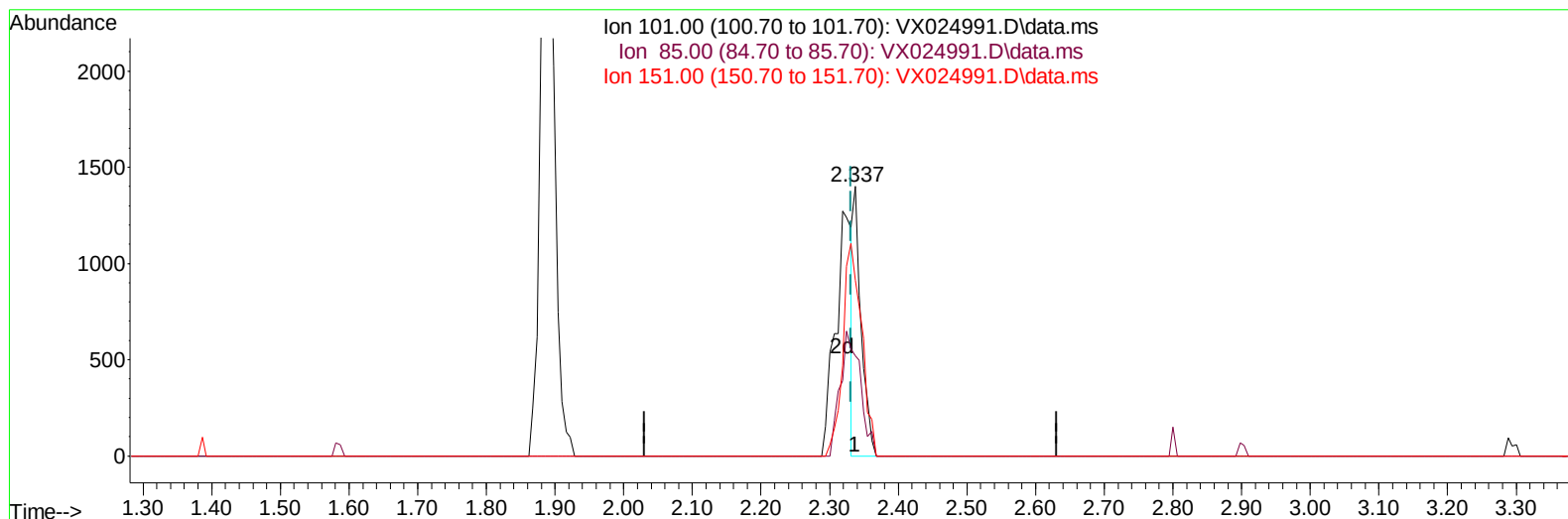
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Data File : VX024991.D
Acq On : 27 Oct 2021 23:42
Operator : JC/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Manual Integrations
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TIC: VX024991.D\data.ms

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

2.337min (+ 0.006) 1.00 ug/L

response 1120

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	44.10	117.50#
151.00	77.90	186.52#
0.00	0.00	0.00

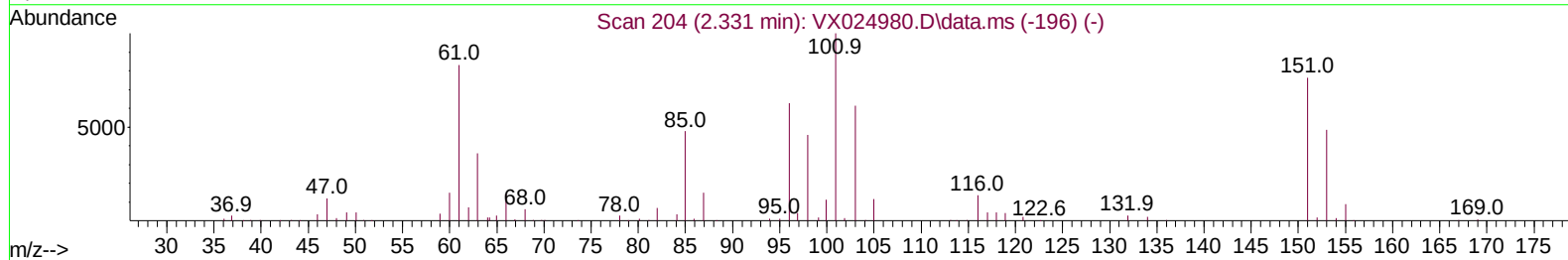
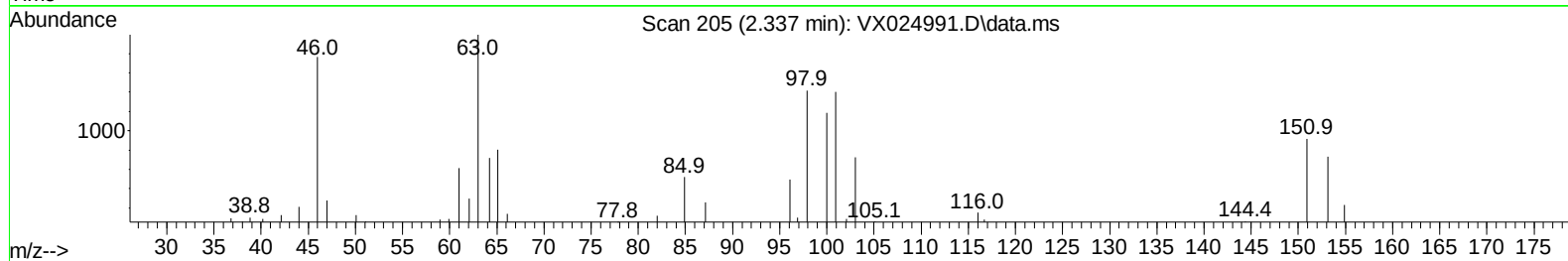
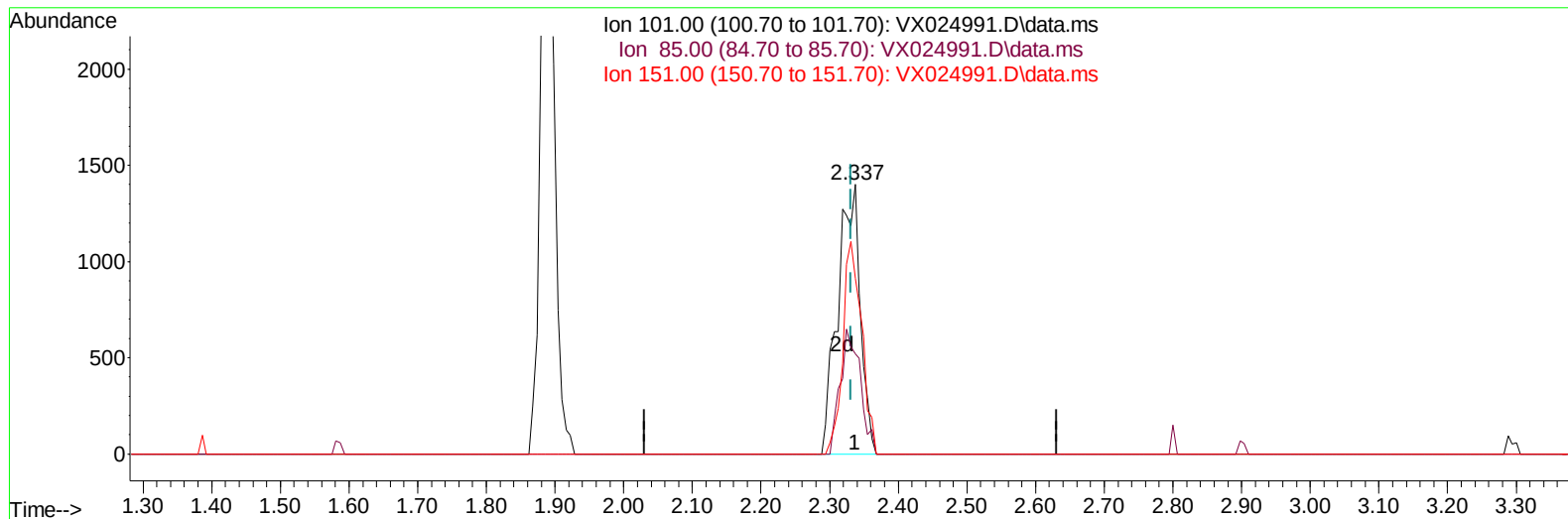
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TIC: VX024991.D\data.ms

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

2.337min (+ 0.006) 2.86 ug/L m

response 3192

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	44.10	41.23
151.00	77.90	65.44
0.00	0.00	0.00

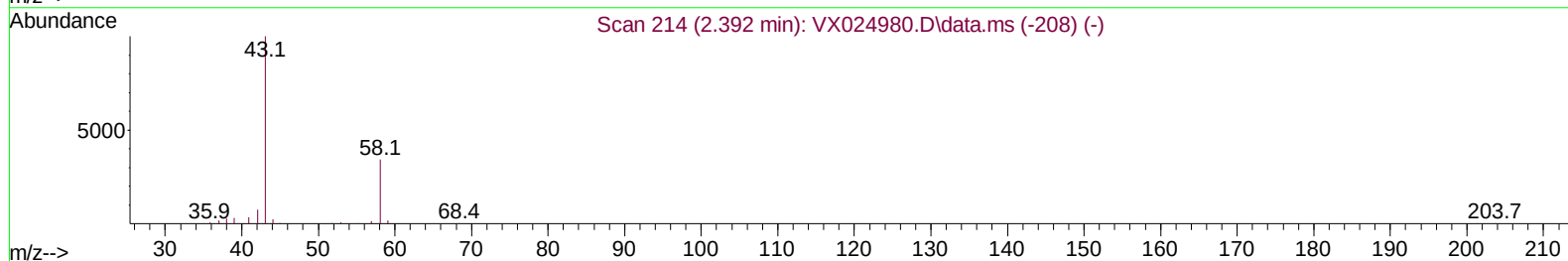
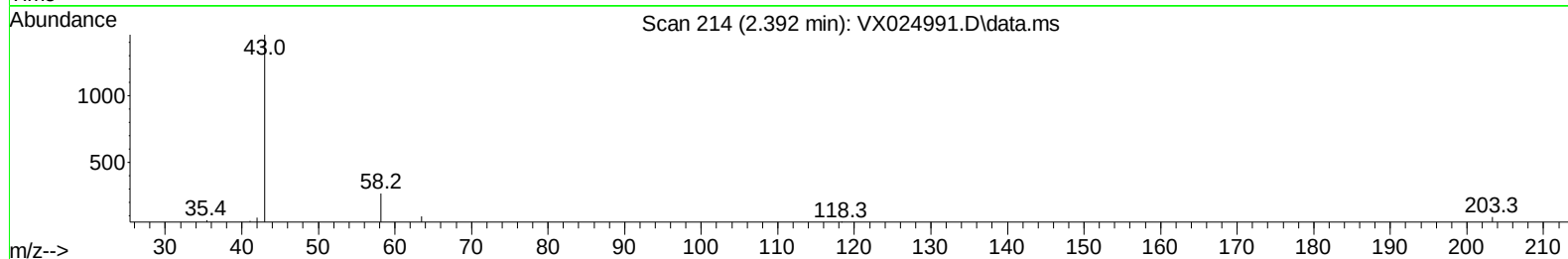
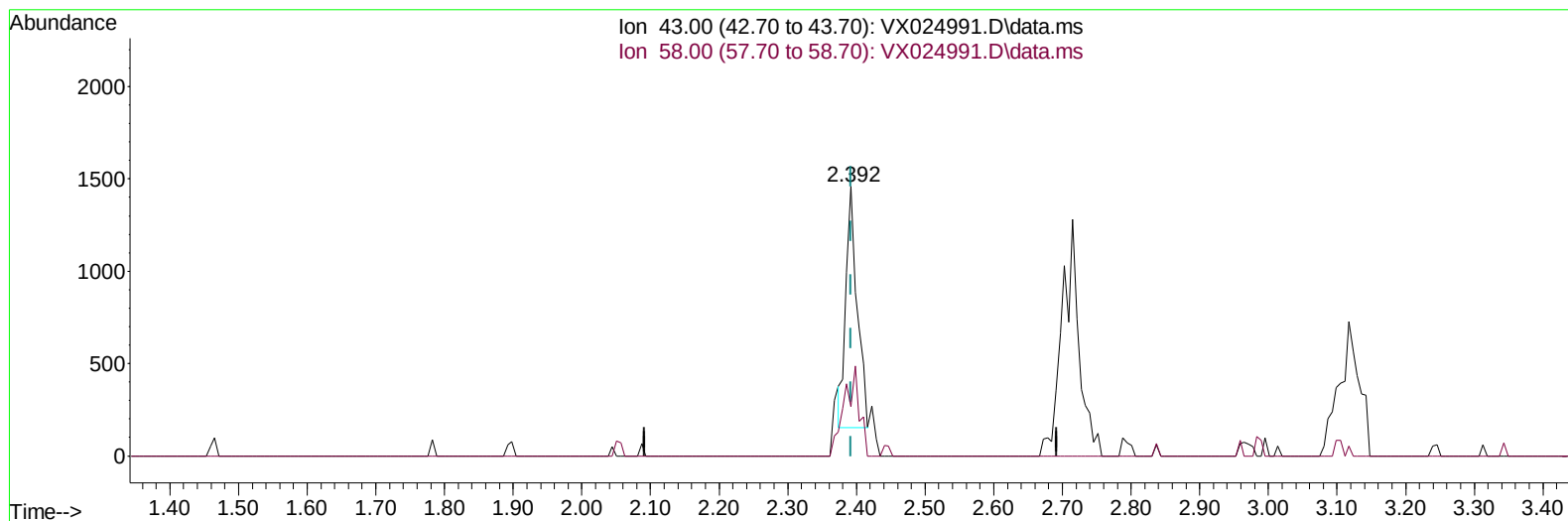
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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TIC: VX024991.D\data.ms

(13) Acetone (T)

2.392min (+ 0.000) 3.48 ug/L

response 1473

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	32.40	22.00
0.00	0.00	0.00
0.00	0.00	0.00

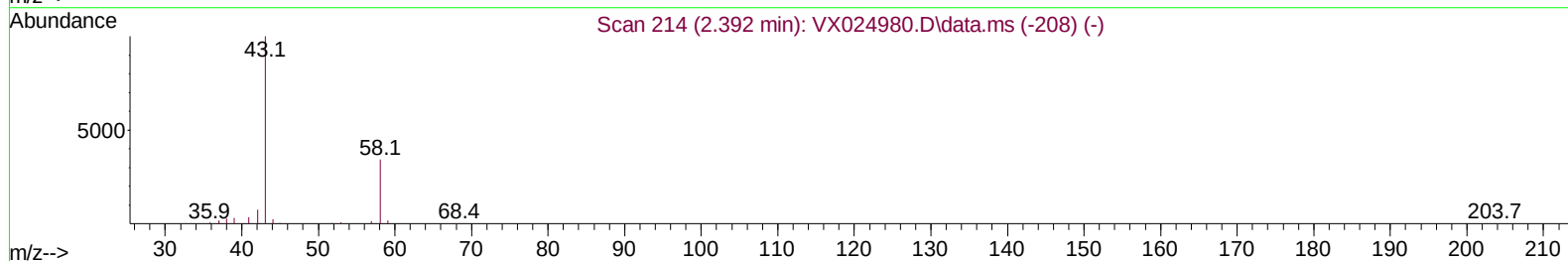
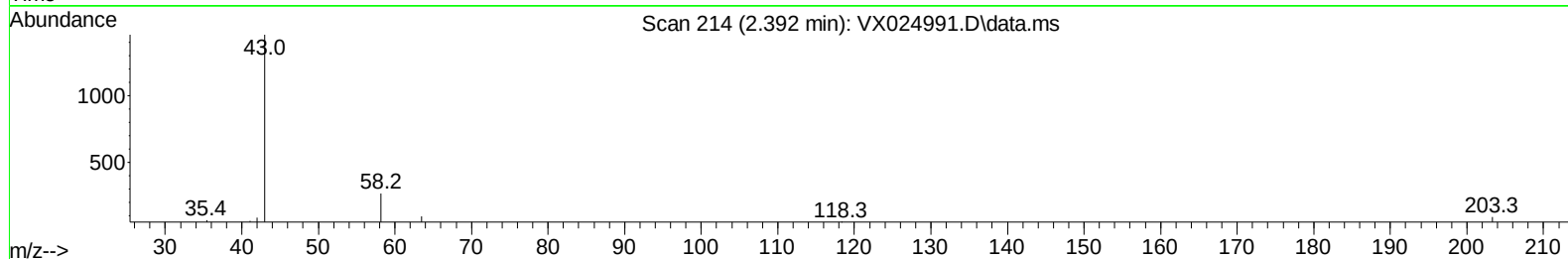
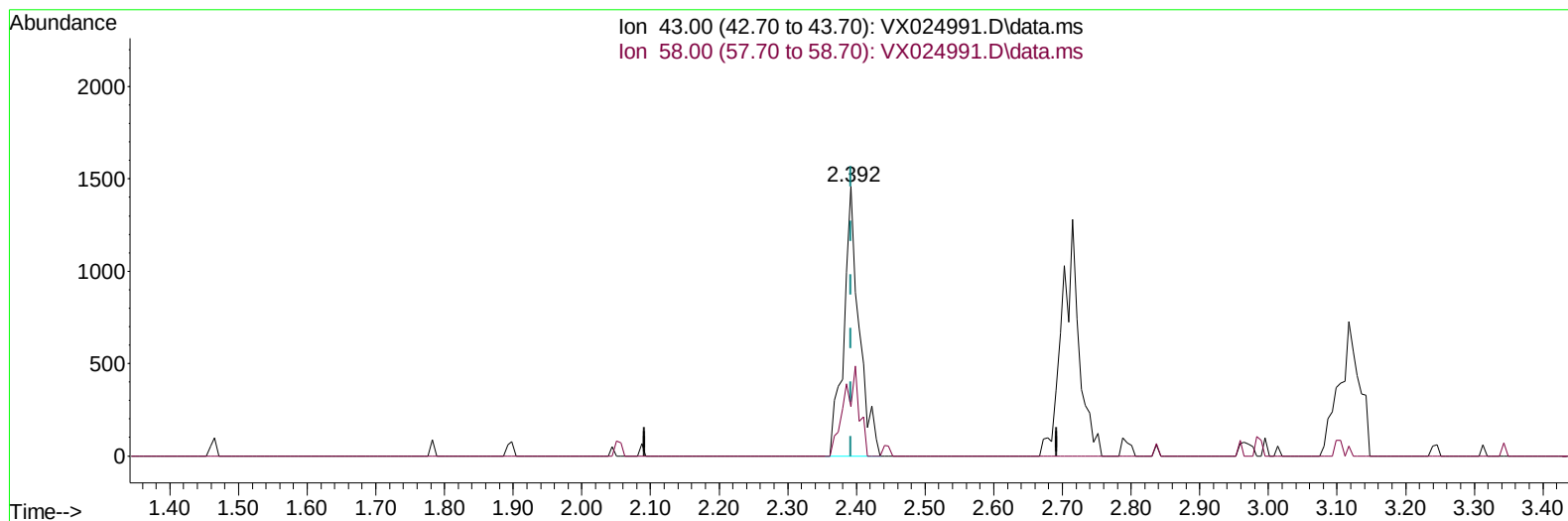
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Data File : VX024991.D
Acq On : 27 Oct 2021 23:42
Operator : JC/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:34 PM

Quant Time: Oct 28 05:28:18 2021
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TIC: VX024991.D\data.ms

(13) Acetone (T)

2.392min (+ 0.000) 5.29 ug/L m

response 2242

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	32.40	14.45
0.00	0.00	0.00
0.00	0.00	0.00

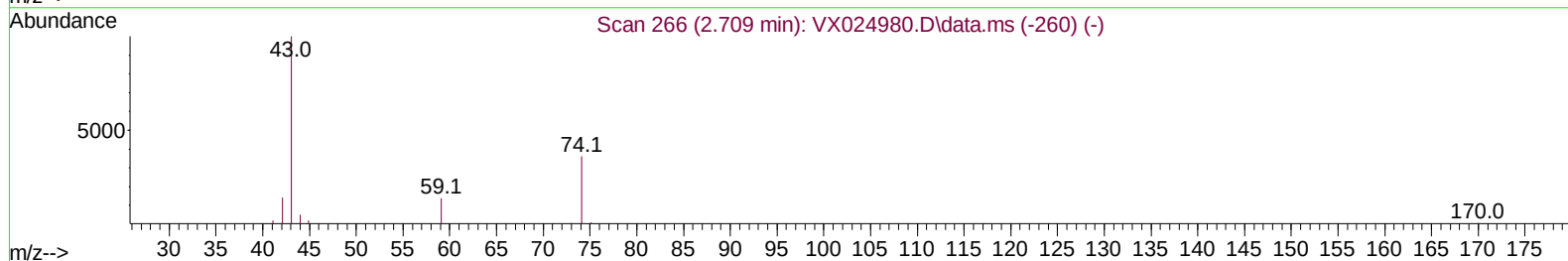
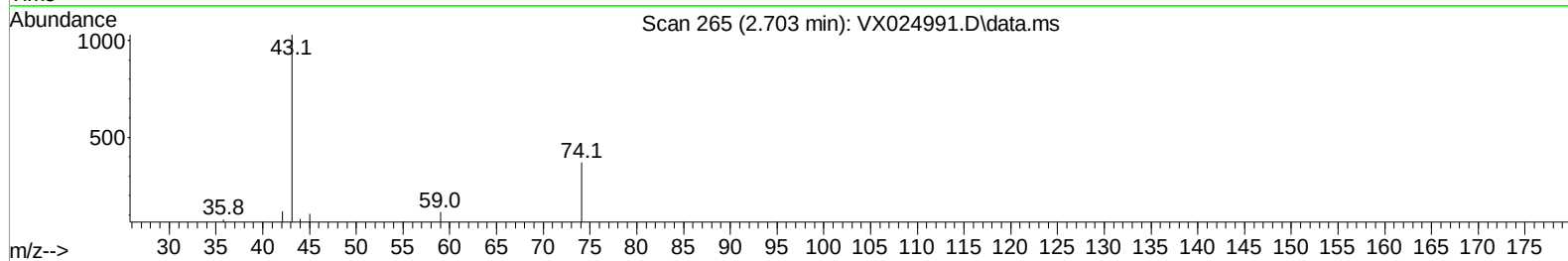
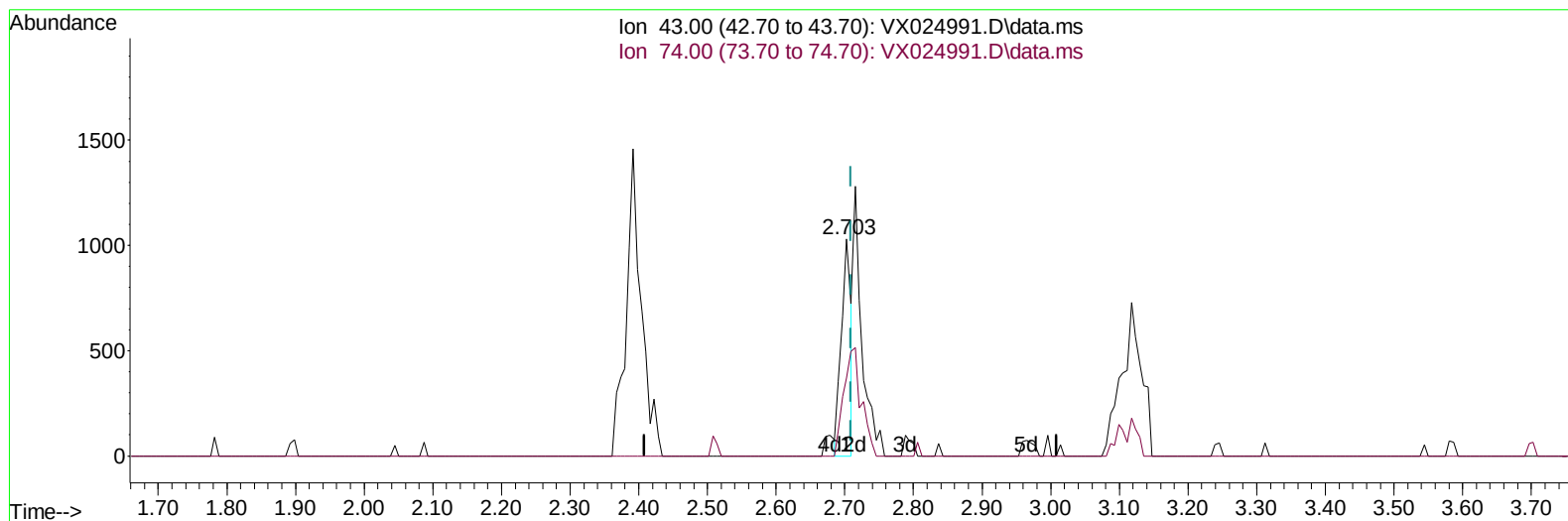
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 Operator : JC/MD
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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
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 11/1/2021 12:57:34 PM

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TIC: VX024991.D\data.ms

(15) Methyl Acetate (T)

2.703min (-0.006) 1.43 ug/L

response 1016

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	35.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

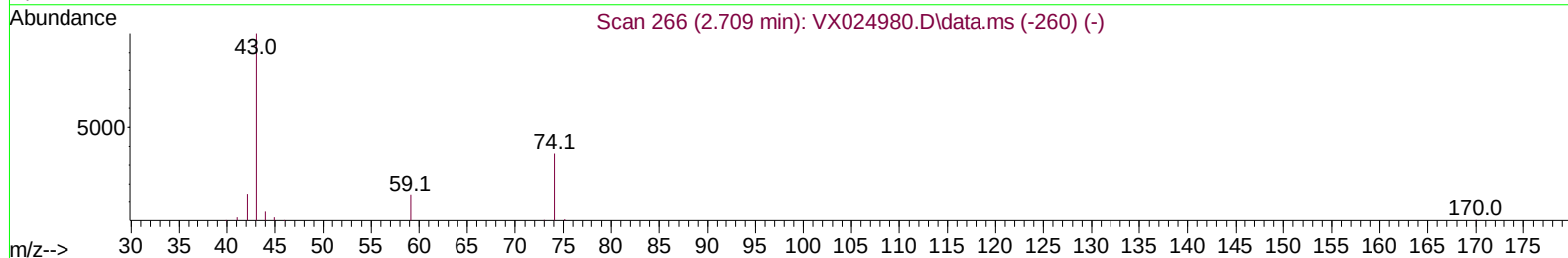
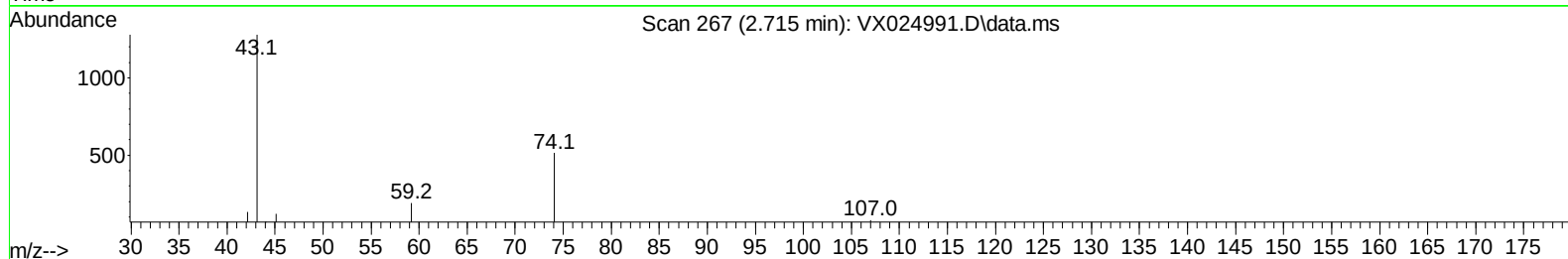
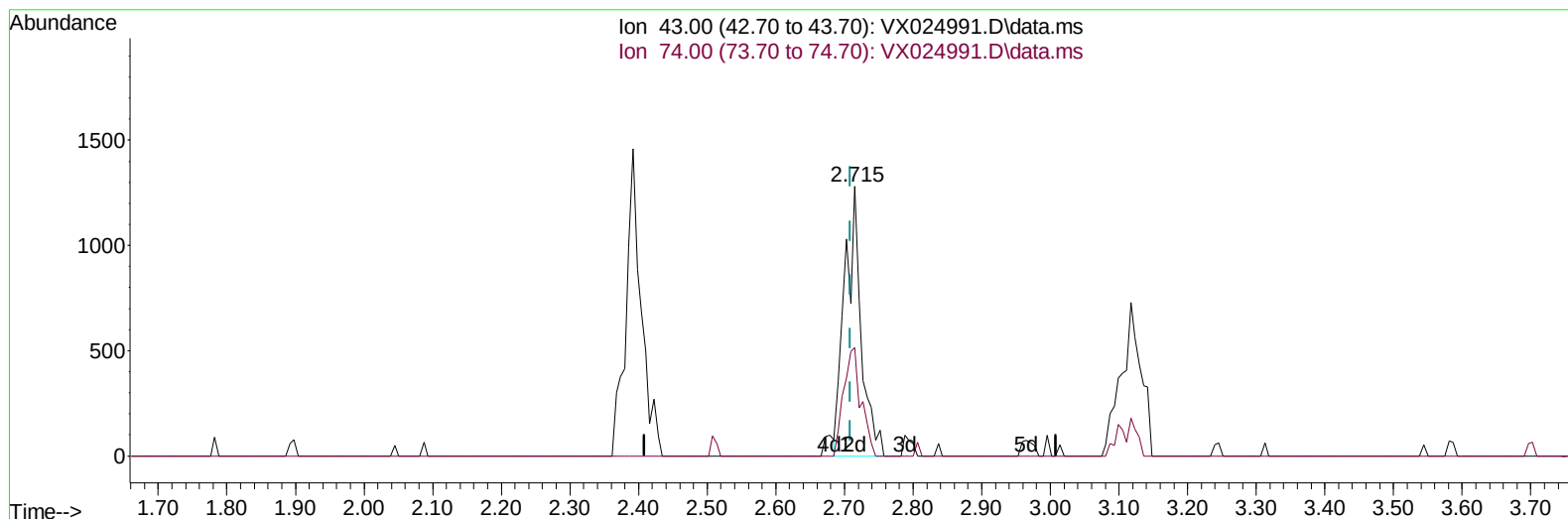
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 Operator : JC/MD
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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
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TIC: VX024991.D\data.ms

(15) Methyl Acetate (T)

2.715min (+ 0.006) 3.03 ug/L m

response 2144

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	35.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

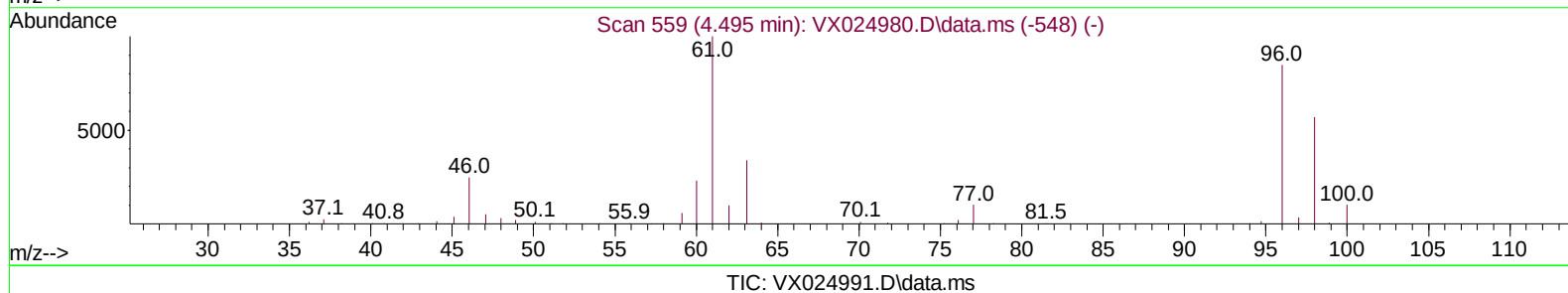
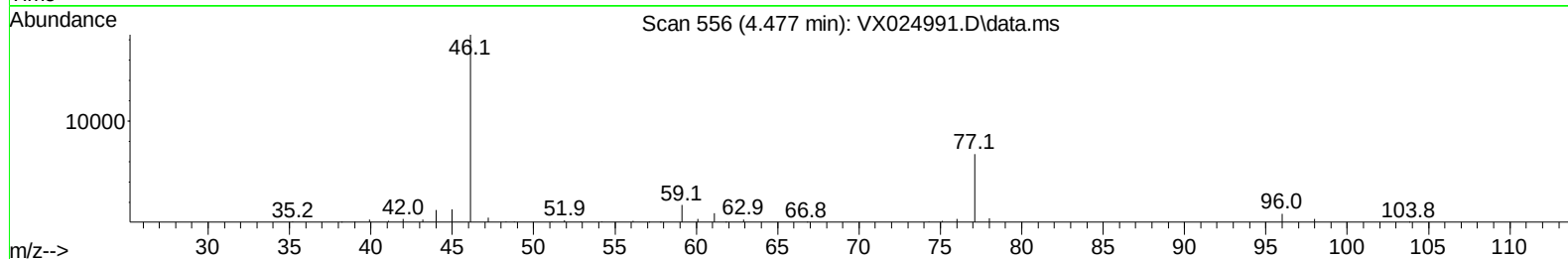
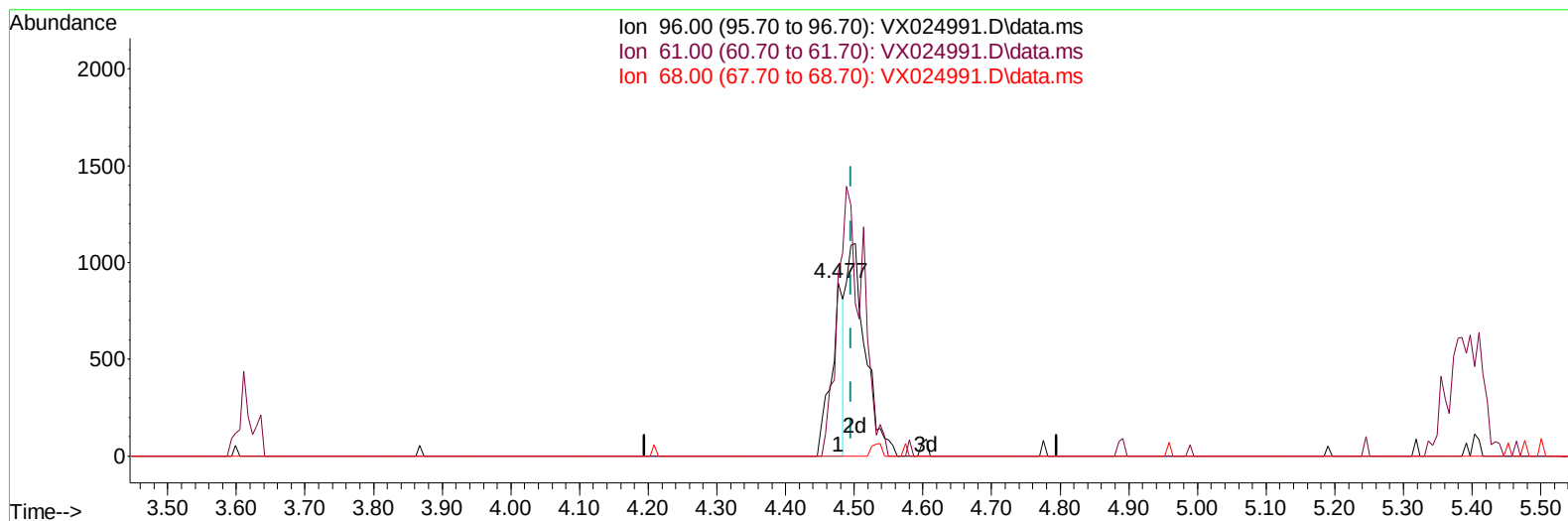
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Manual Integrations
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(20) cis-1,2-Dichloroethene (T)

4.477min (-0.018) 0.98 ug/L

response 1107

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	118.00	105.69
68.00	0.00	0.00
0.00	0.00	0.00

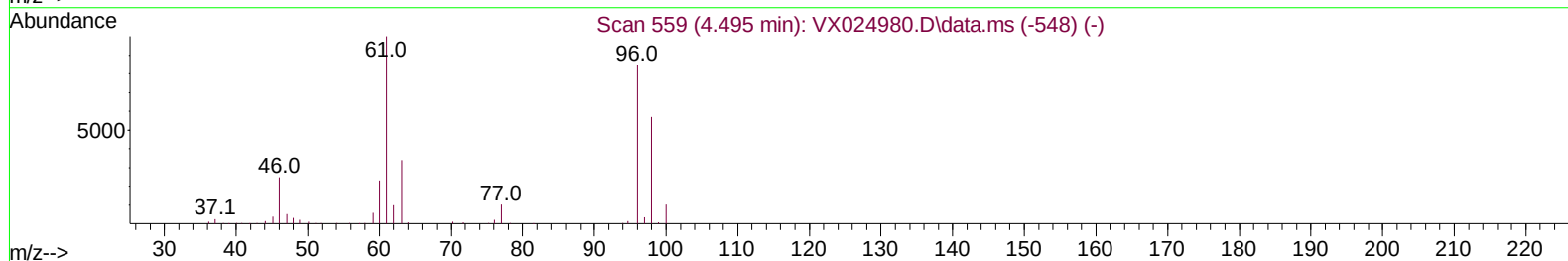
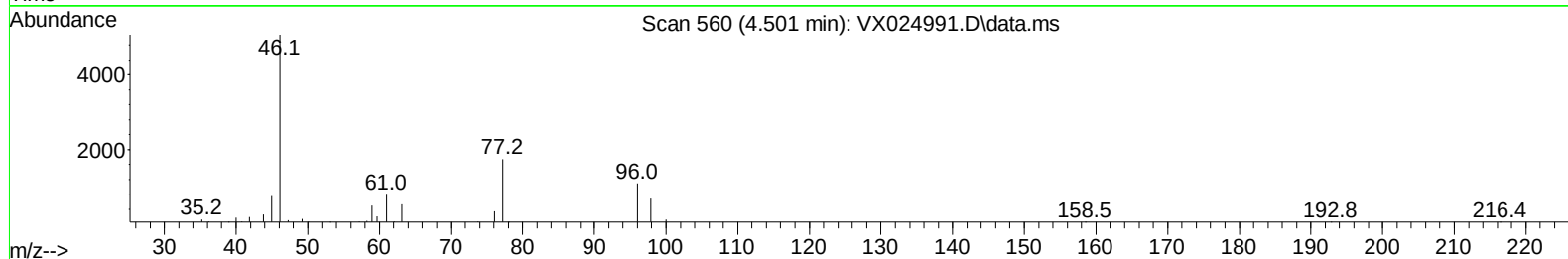
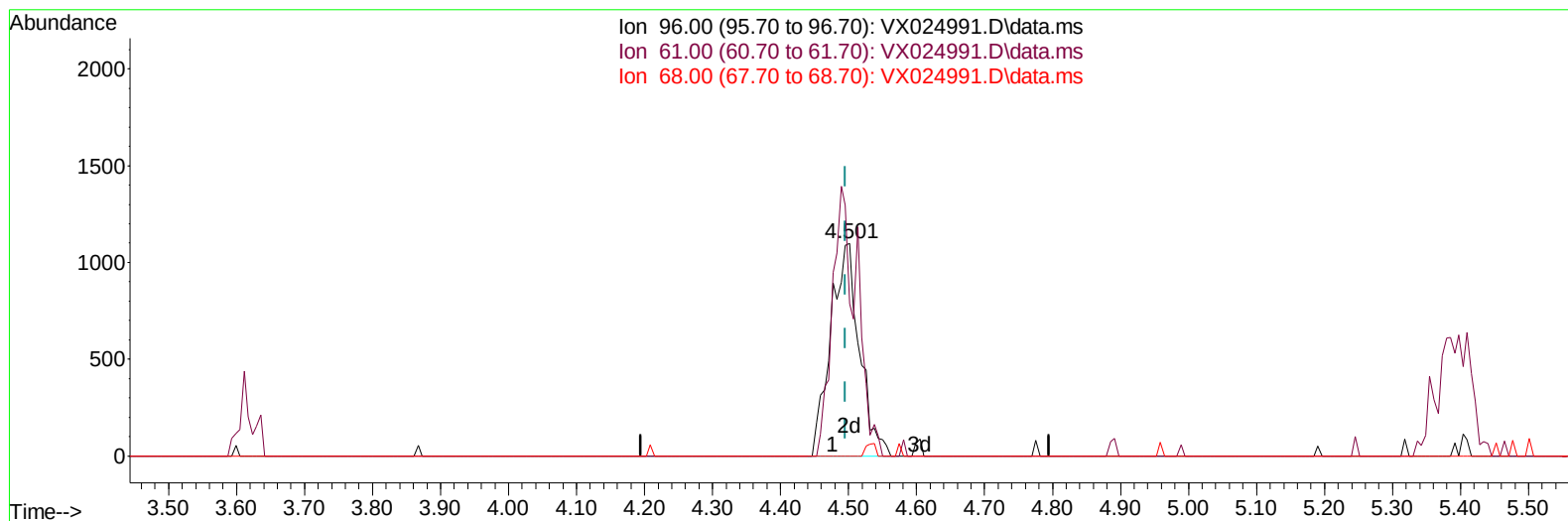
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Instrument :
MSVOA_X
ClientSampleId :
MDL02

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TIC: VX024991.D\data.ms

(20) cis-1,2-Dichloroethene (T)

4.501min (+ 0.006) 2.86 ug/L m

response 3245

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	118.00	71.52#
68.00	0.00	0.00
0.00	0.00	0.00

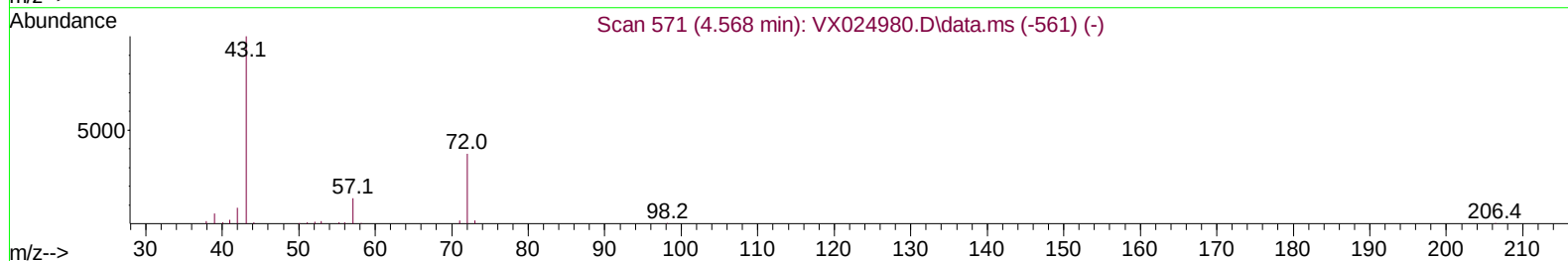
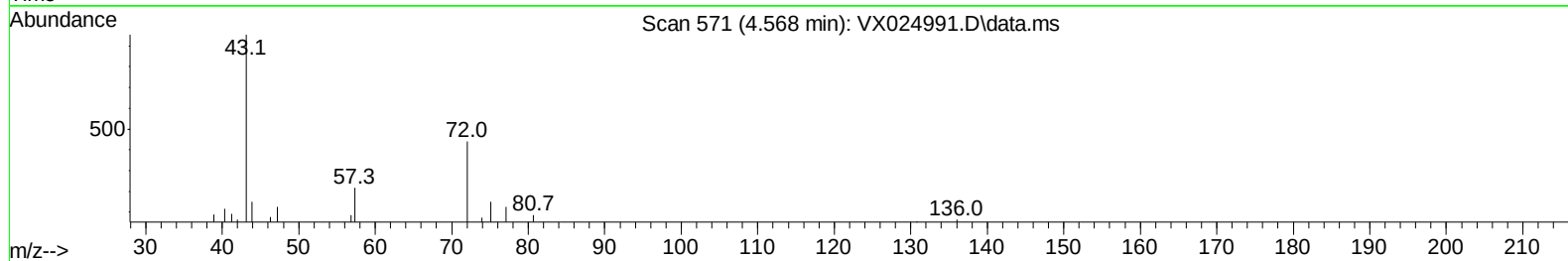
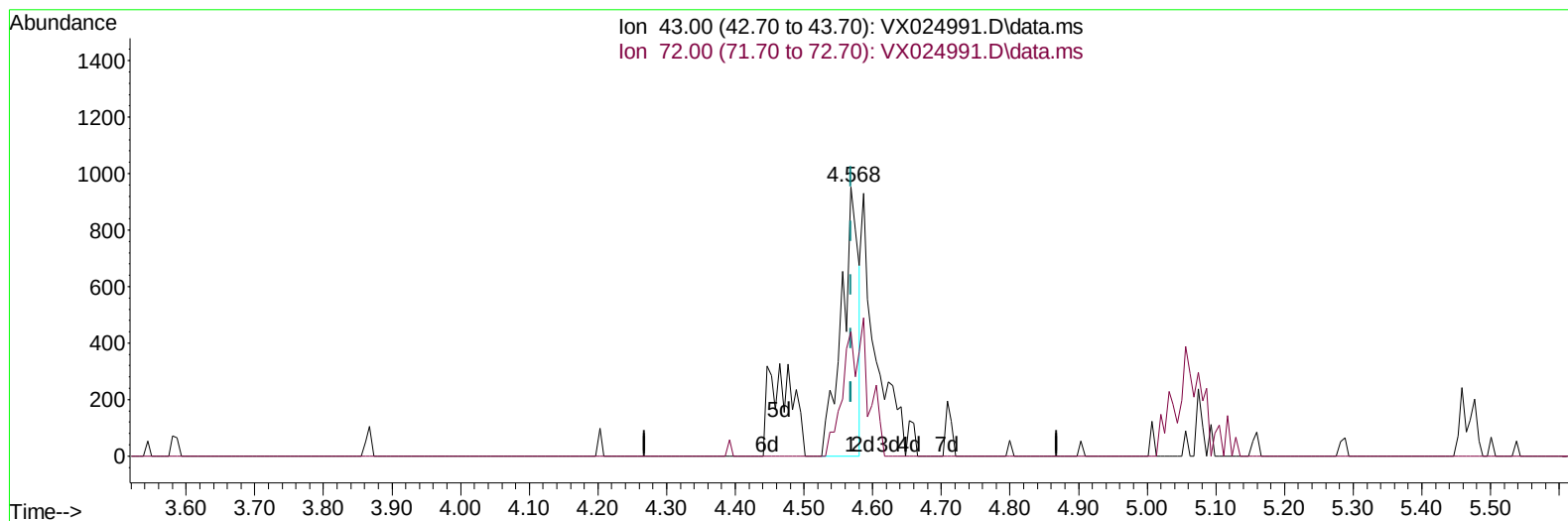
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TIC: VX024991.D\data.ms

(22) 2-Butanone (T)

4.568min (+ 0.000) 2.96 ug/L

response 1609

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	36.70	37.10
0.00	0.00	0.00
0.00	0.00	0.00

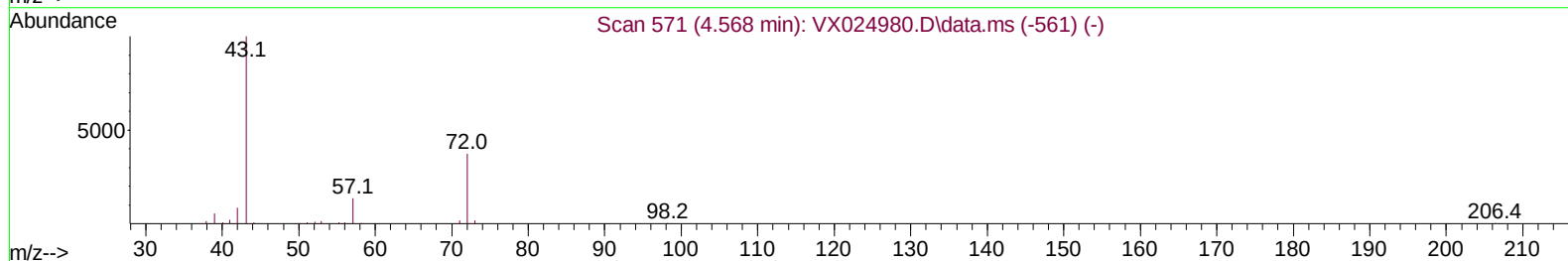
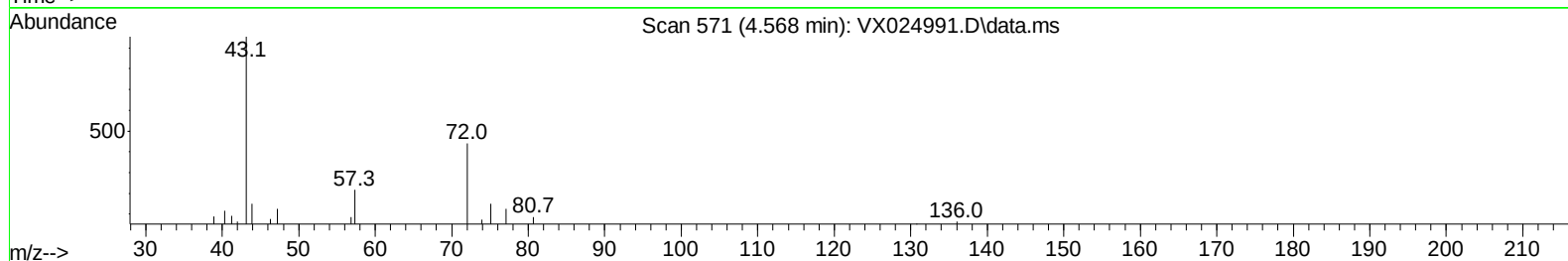
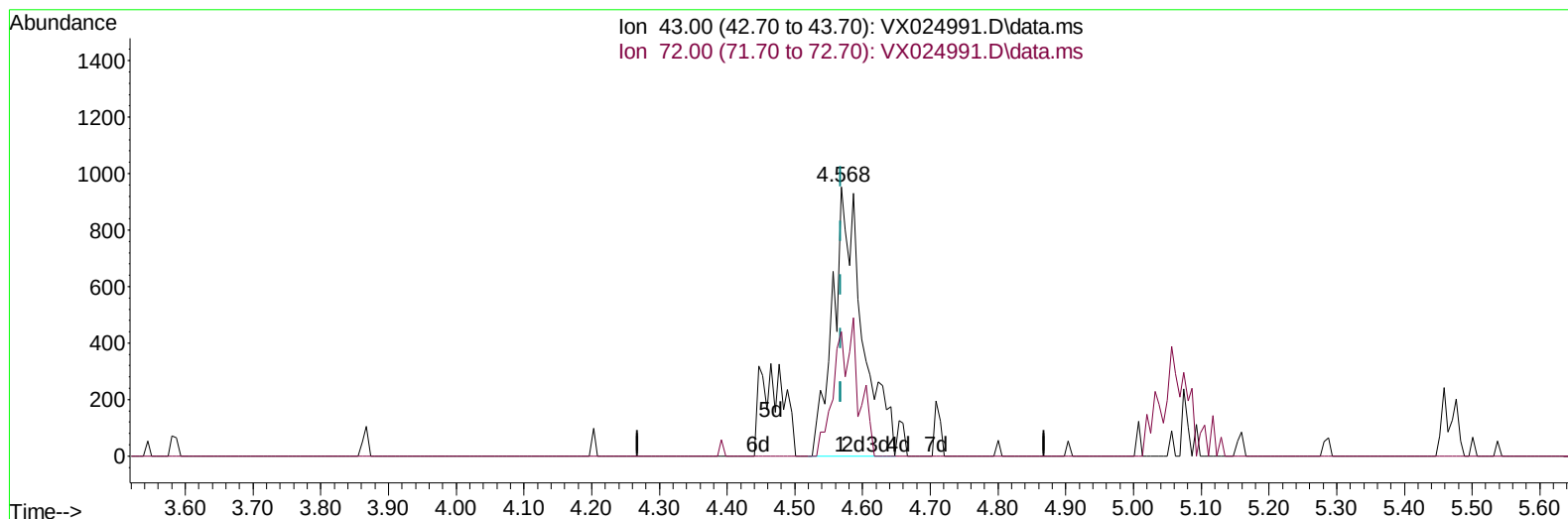
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 ALS Vial : 16 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: VX024991.D\data.ms

(22) 2-Butanone (T)

4.568min (+ 0.000) 5.36 ug/L m

response 2916

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	36.70	20.47
0.00	0.00	0.00
0.00	0.00	0.00

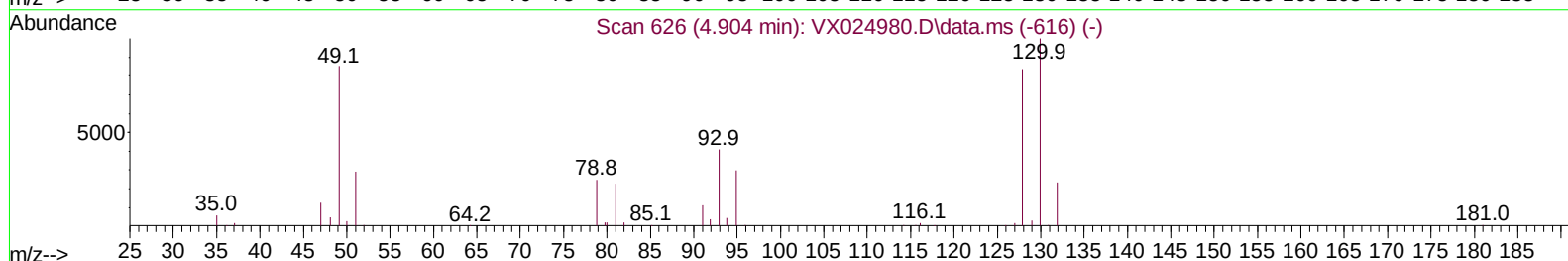
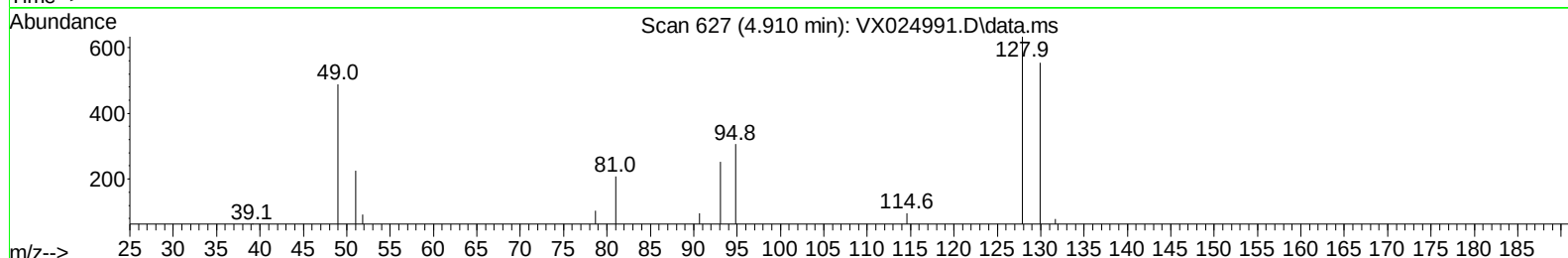
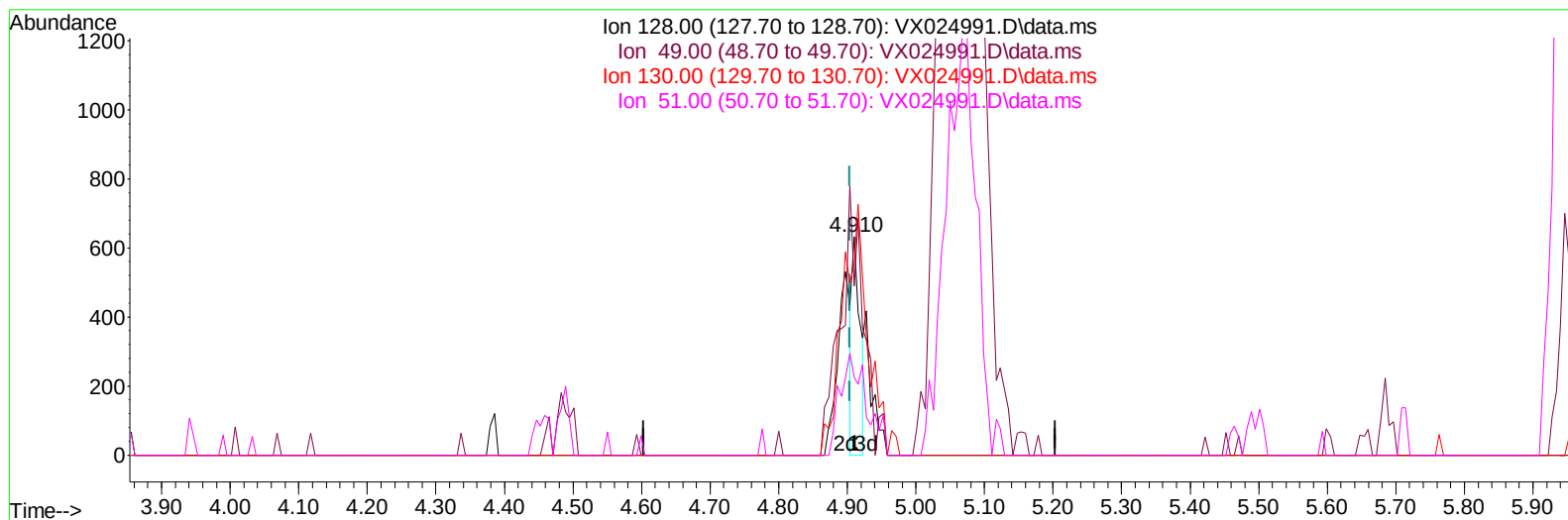
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TIC: VX024991.D\data.ms

(23) Bromochloromethane (T)

4.910min (+ 0.006) 0.83 ug/L

response 507

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	102.10	77.25
130.00	120.40	87.36
51.00	34.90	35.55

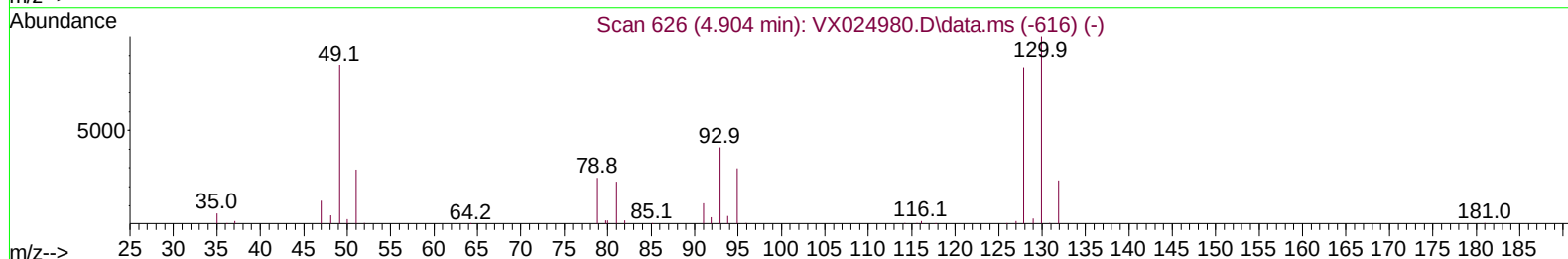
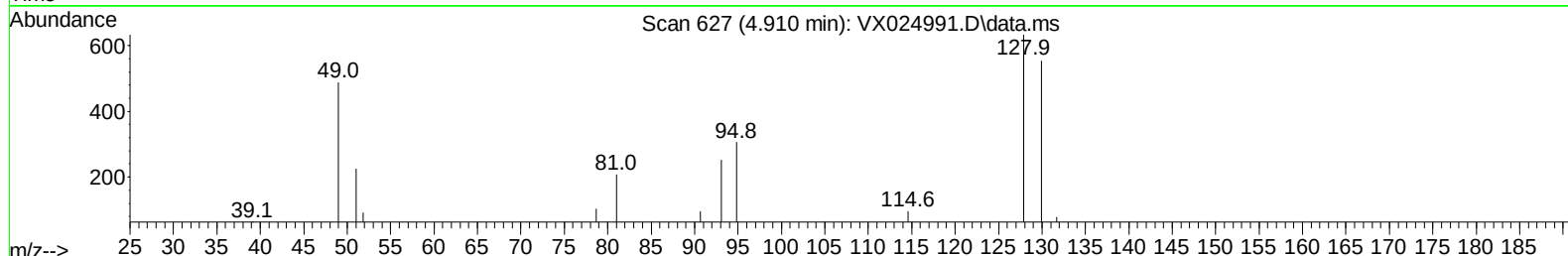
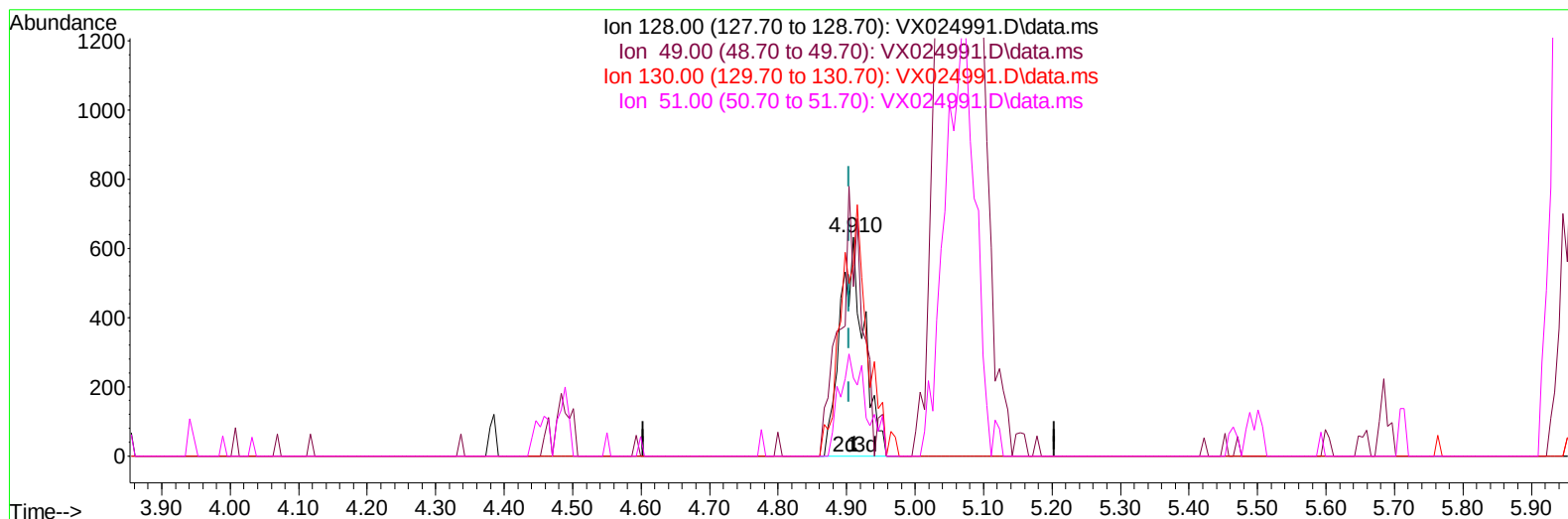
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:34 PM

Quant Time: Oct 28 05:28:18 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: VX024991.D\data.ms

(23) Bromochloromethane (T)

4.910min (+ 0.006) 2.48 ug/L m

response 1522

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	102.10	77.25
130.00	120.40	87.36
51.00	34.90	35.55

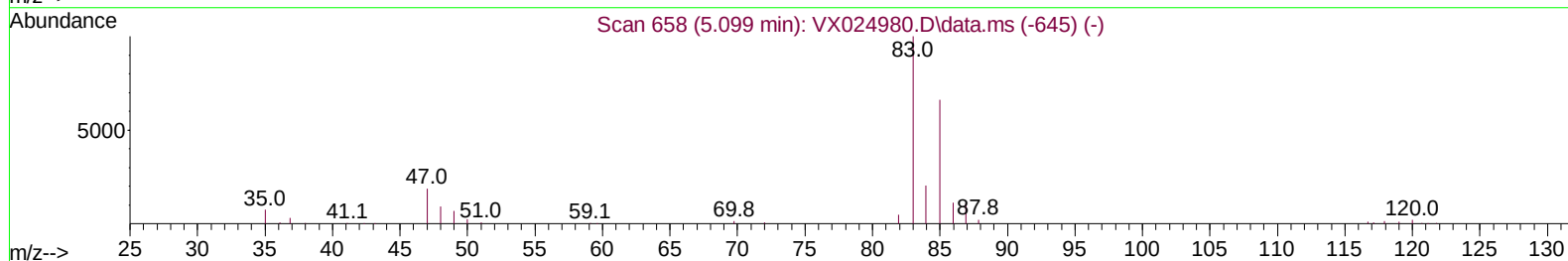
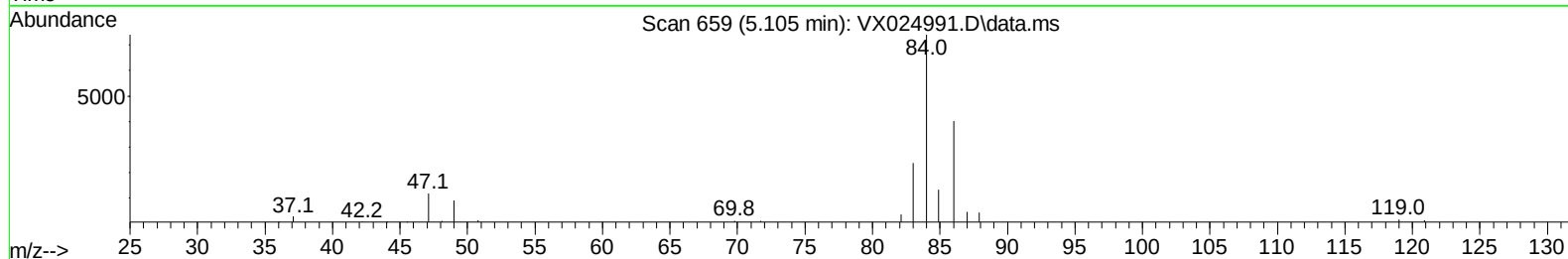
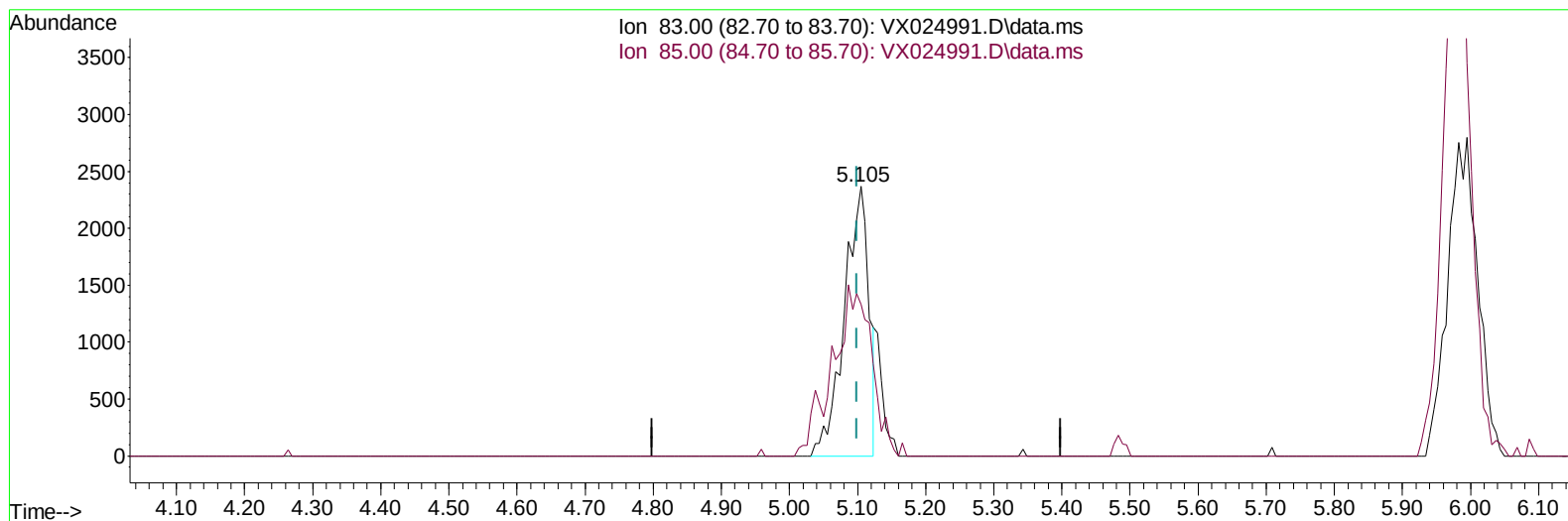
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024991.D
Acq On : 27 Oct 2021 23:42
Operator : JC/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Manual Integrations
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TIC: VX024991.D\data.ms

(25) Chloroform (T)

5.105min (+ 0.006) 2.49 ug/L

response 5967

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	66.20	56.21
0.00	0.00	0.00
0.00	0.00	0.00

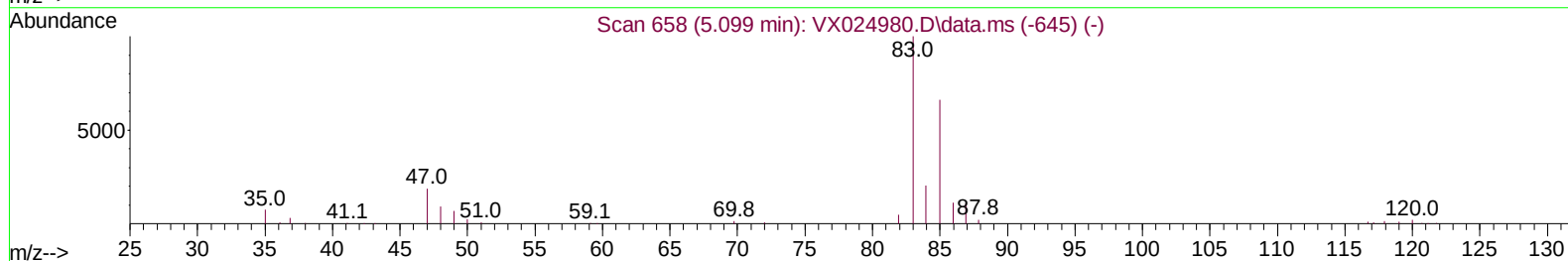
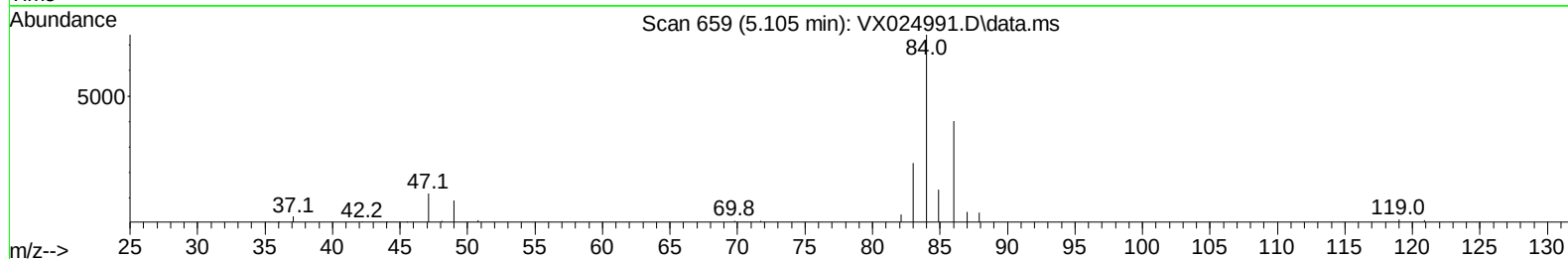
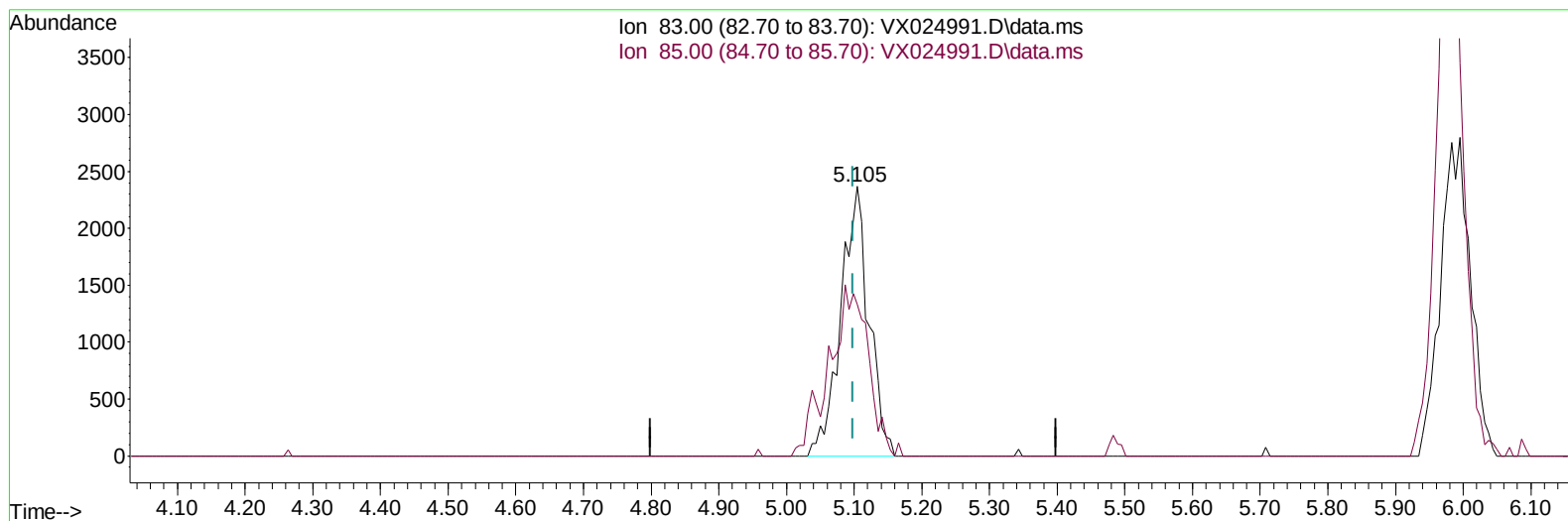
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024991.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Manual Integrations
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TIC: VX024991.D\data.ms

(25) Chloroform (T)

5.105min (+ 0.006) 2.85 ug/L m

response 6810

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	66.20	56.21
0.00	0.00	0.00
0.00	0.00	0.00

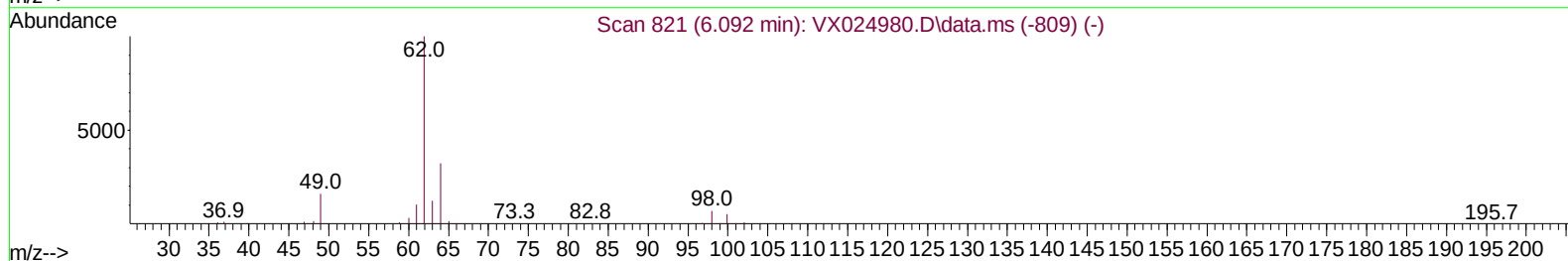
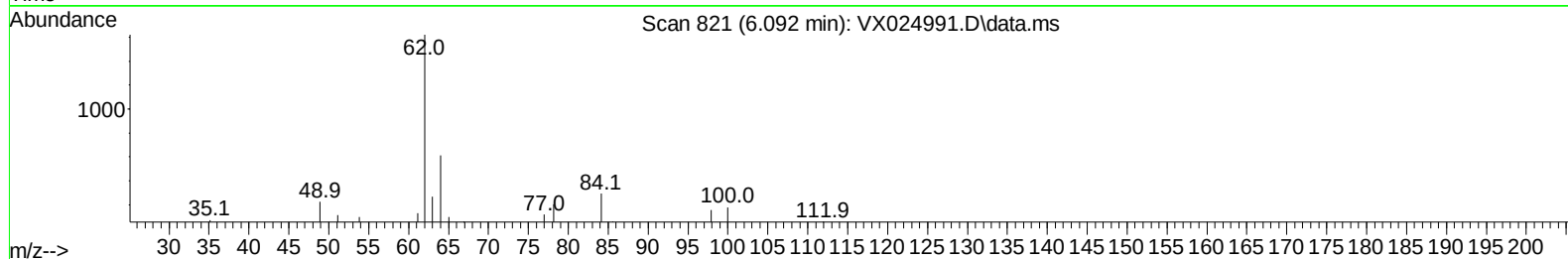
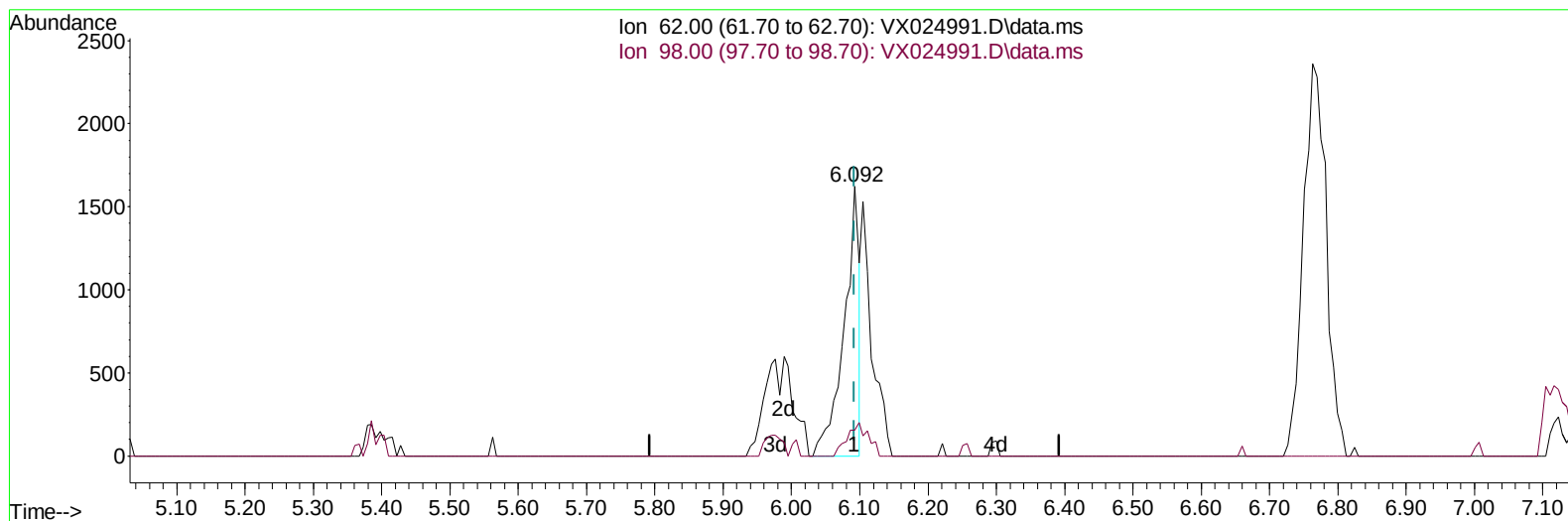
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024991.D
Acq On : 27 Oct 2021 23:42
Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

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Manual Integrations
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TIC: VX024991.D\data.ms

(27) 1,2-Dichloroethane (T)

6.092min (+ 0.000) 1.35 ug/L

response 2456

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	6.90	9.62#
0.00	0.00	0.00
0.00	0.00	0.00

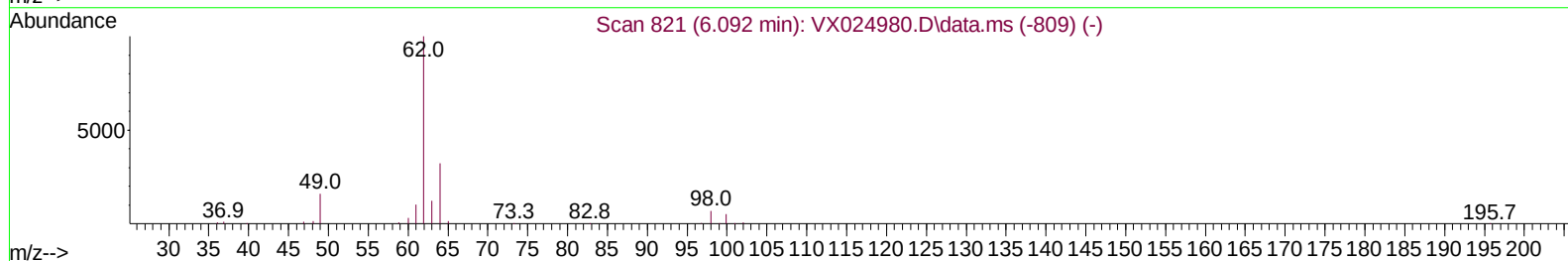
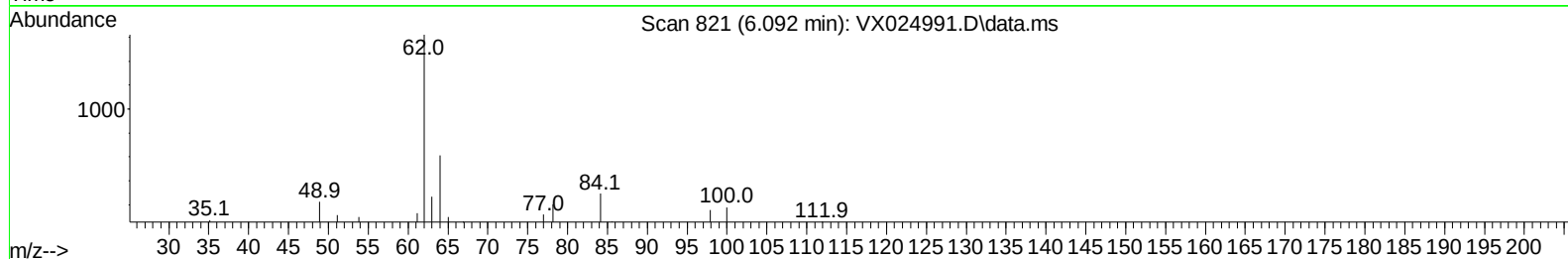
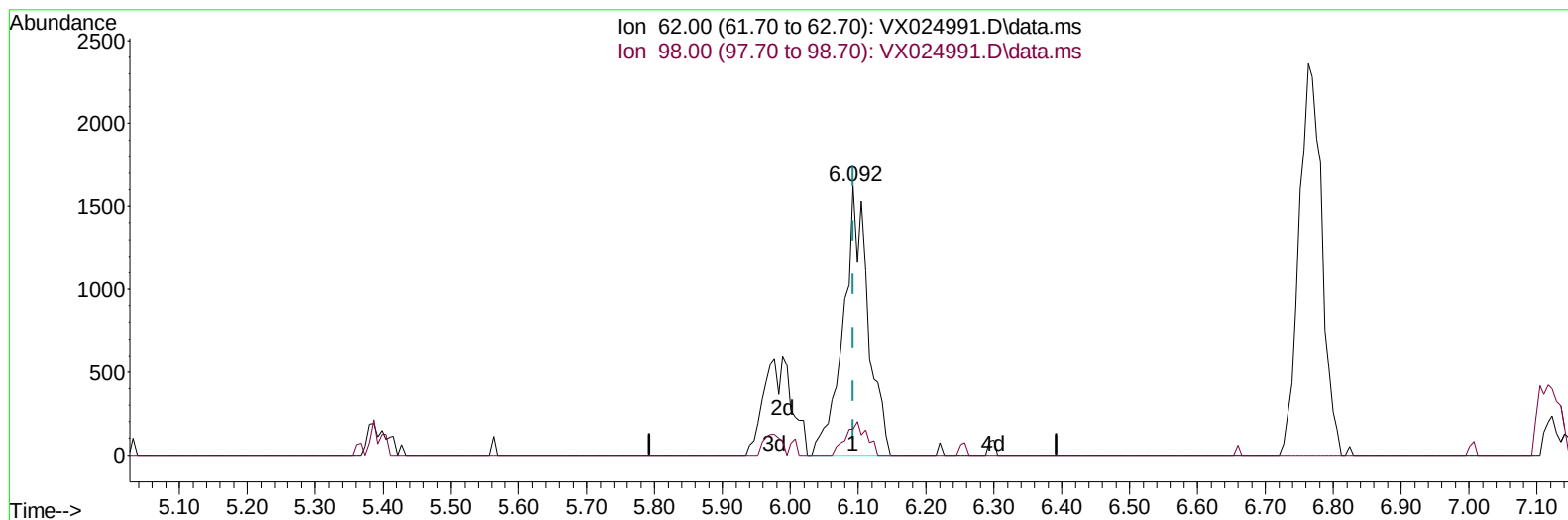
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
 Data File : VX024991.D
 Acq On : 27 Oct 2021 23:42
 Operator : JC/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
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TIC: VX024991.D\data.ms

(27) 1,2-Dichloroethane (T)

6.092min (+ 0.000) 2.26 ug/L m

response 4123

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	6.90	9.62#
0.00	0.00	0.00
0.00	0.00	0.00

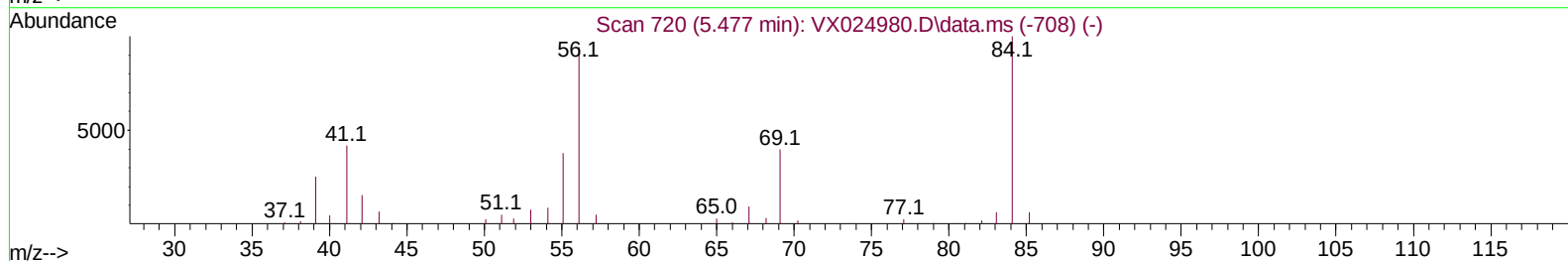
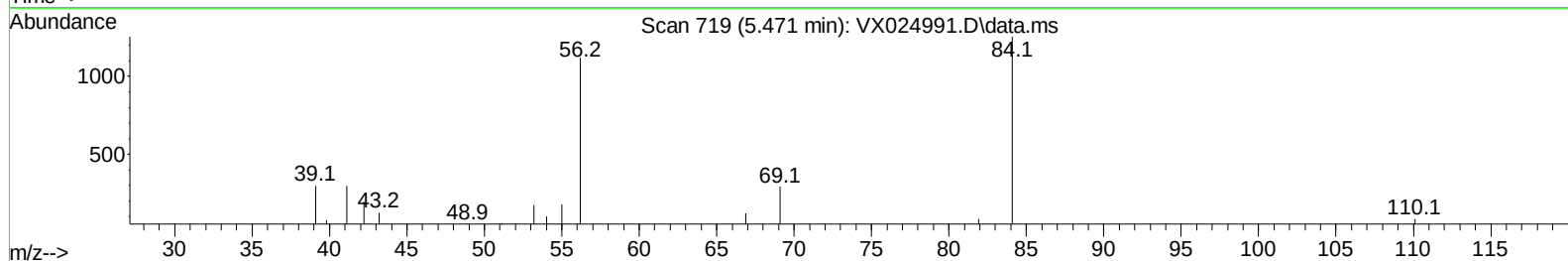
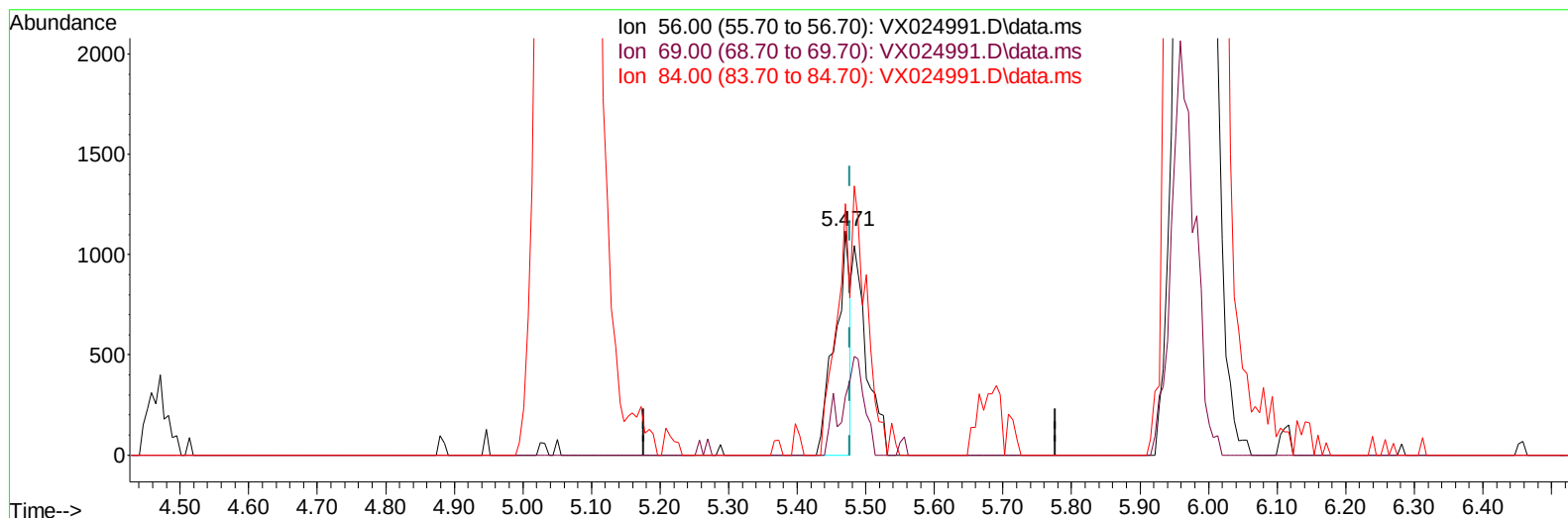
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Manual Integrations
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TIC: VX024991.D\data.ms

(29) Cyclohexane (T)

5.471min (-0.006) 1.37 ug/L

response 1711

Ion	Exp%	Act%
56.00	100.00	100.00
69.00	38.50	12.62#
84.00	108.50	101.40
0.00	0.00	0.00

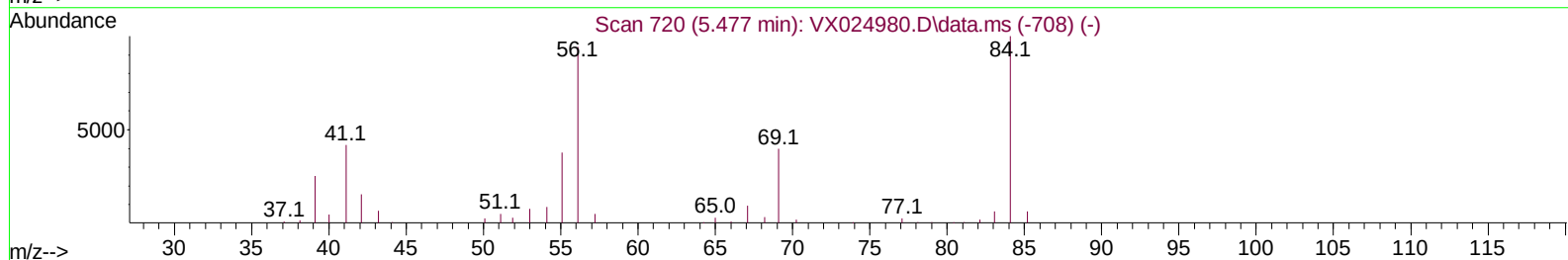
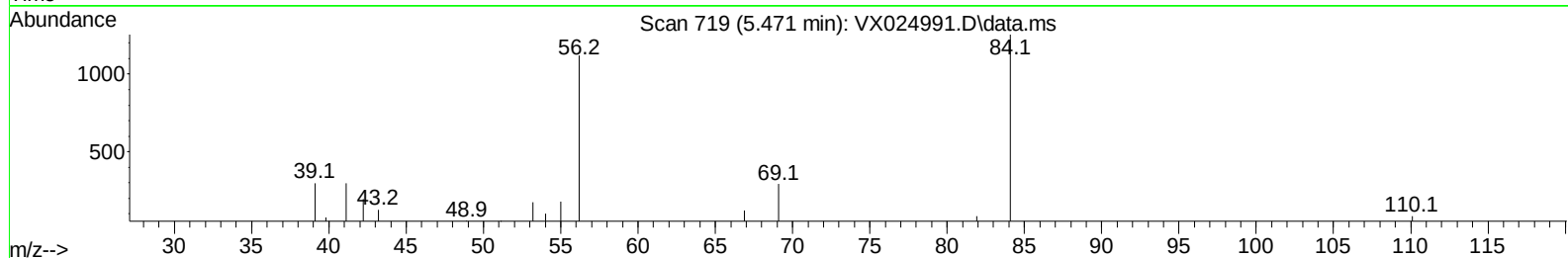
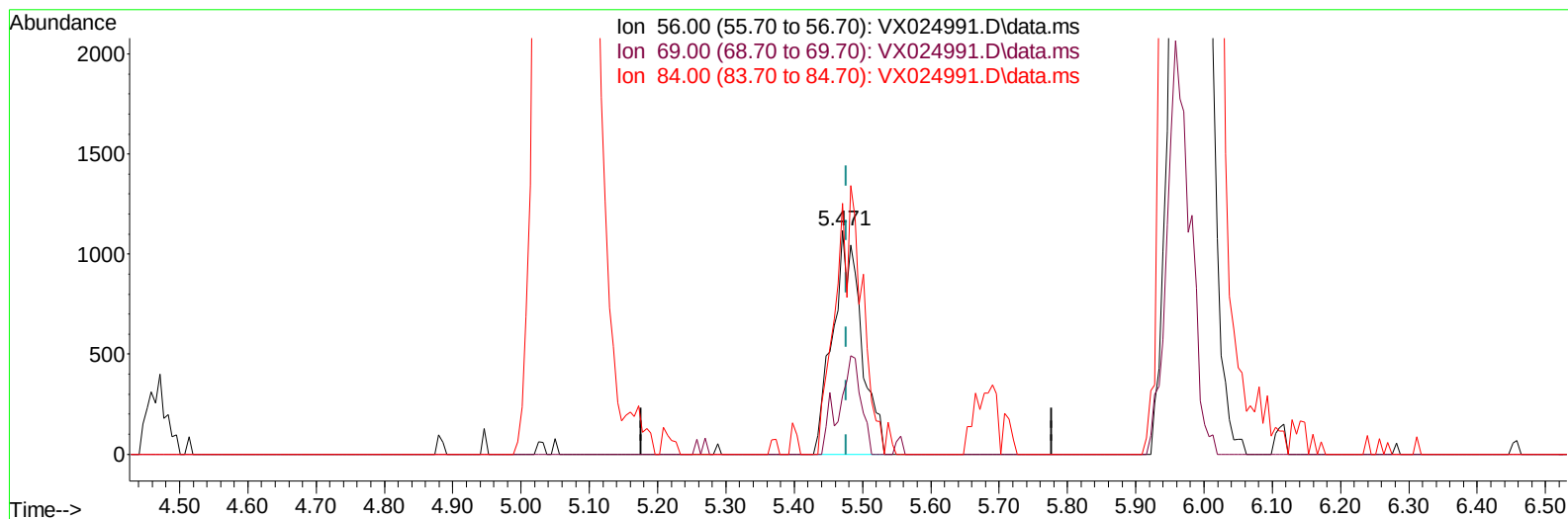
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024991.D
Acq On : 27 Oct 2021 23:42
Operator : JC/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Manual Integrations
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TIC: VX024991.D\data.ms

(29) Cyclohexane (T)

5.471min (-0.006) 2.57 ug/L m

response 3218

Ion	Exp%	Act%
56.00	100.00	100.00
69.00	38.50	6.71#
84.00	108.50	53.92#
0.00	0.00	0.00

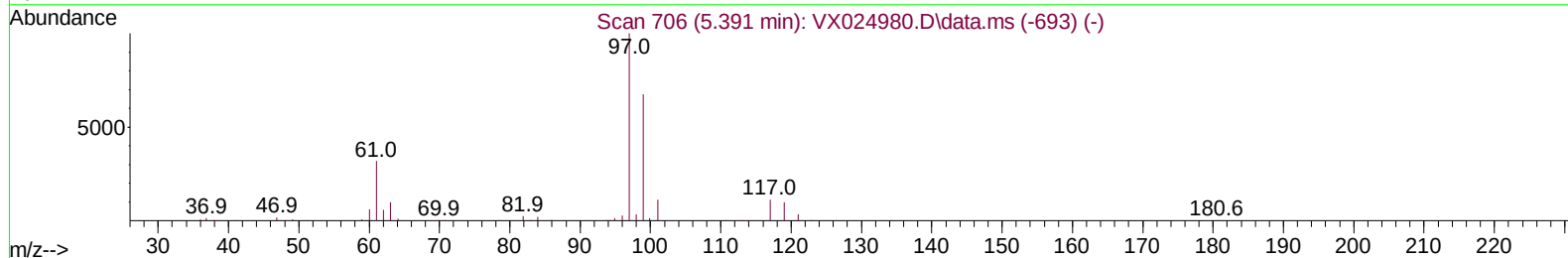
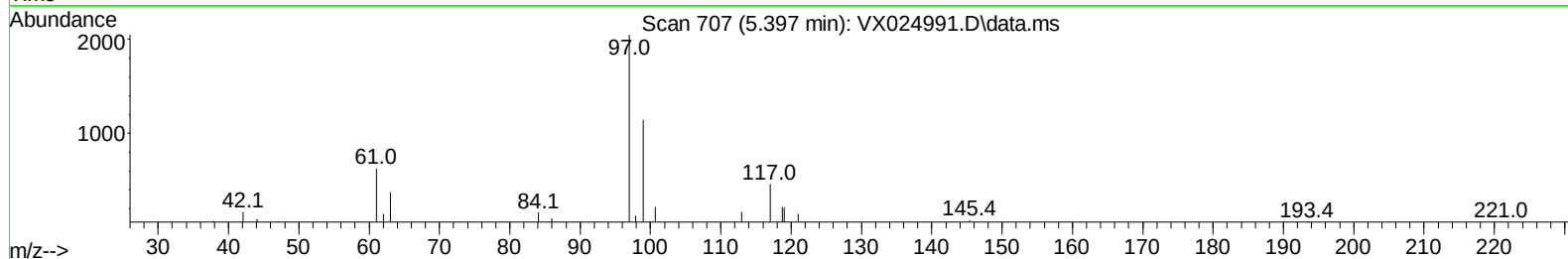
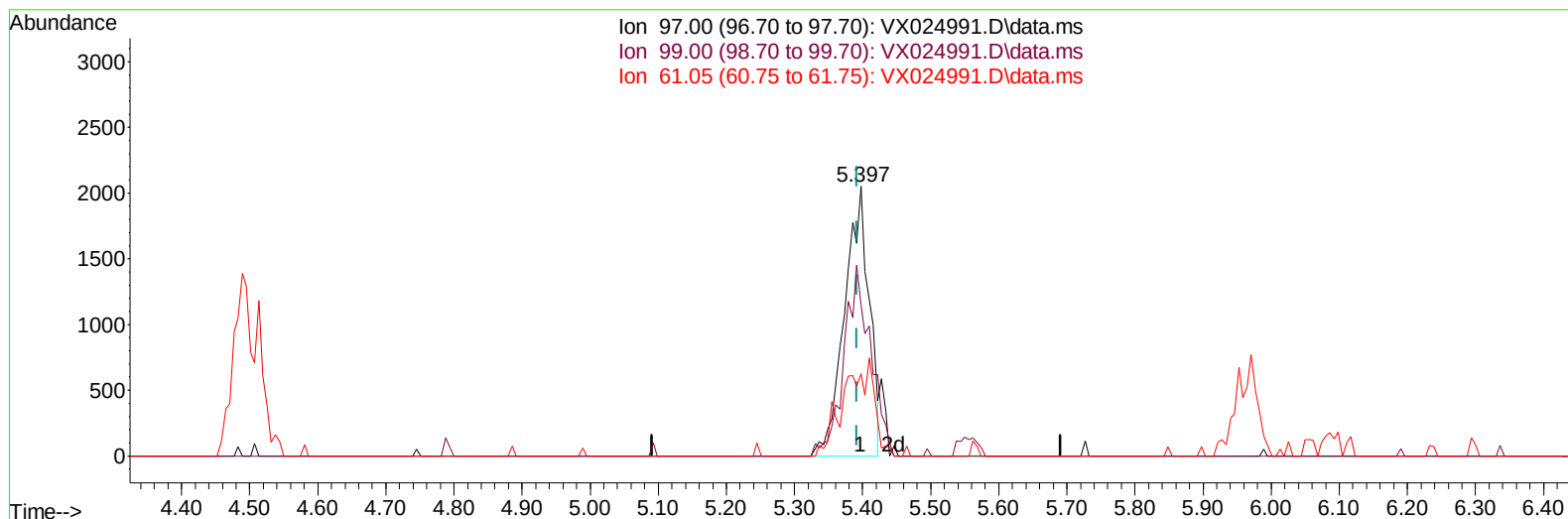
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TIC: VX024991.D\data.ms

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

5.397min (+ 0.006) 2.18 ug/L

response 5144

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	66.40	75.97
61.05	32.90	16.14#
0.00	0.00	0.00

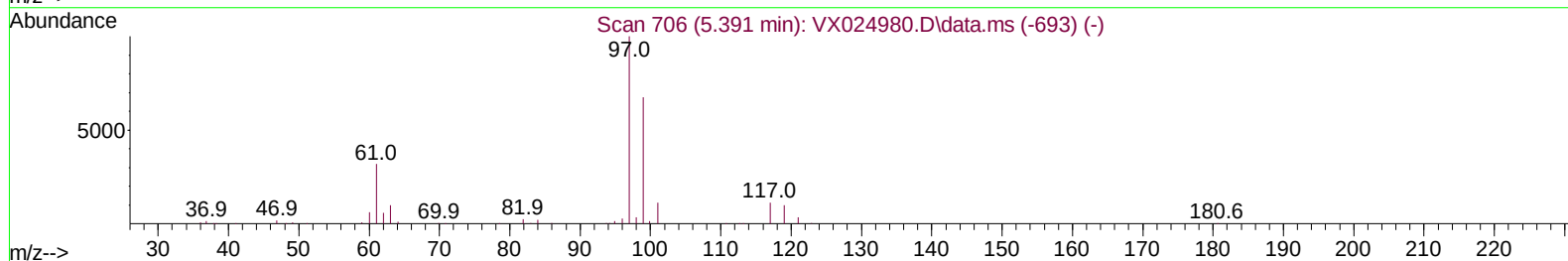
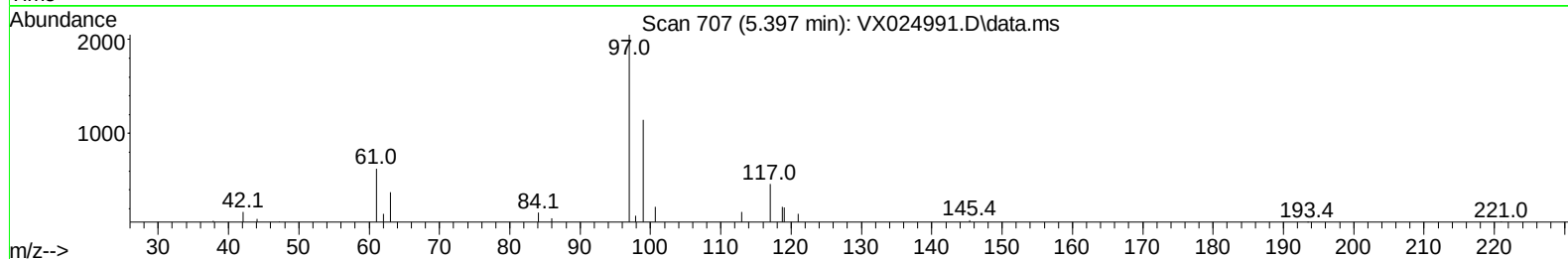
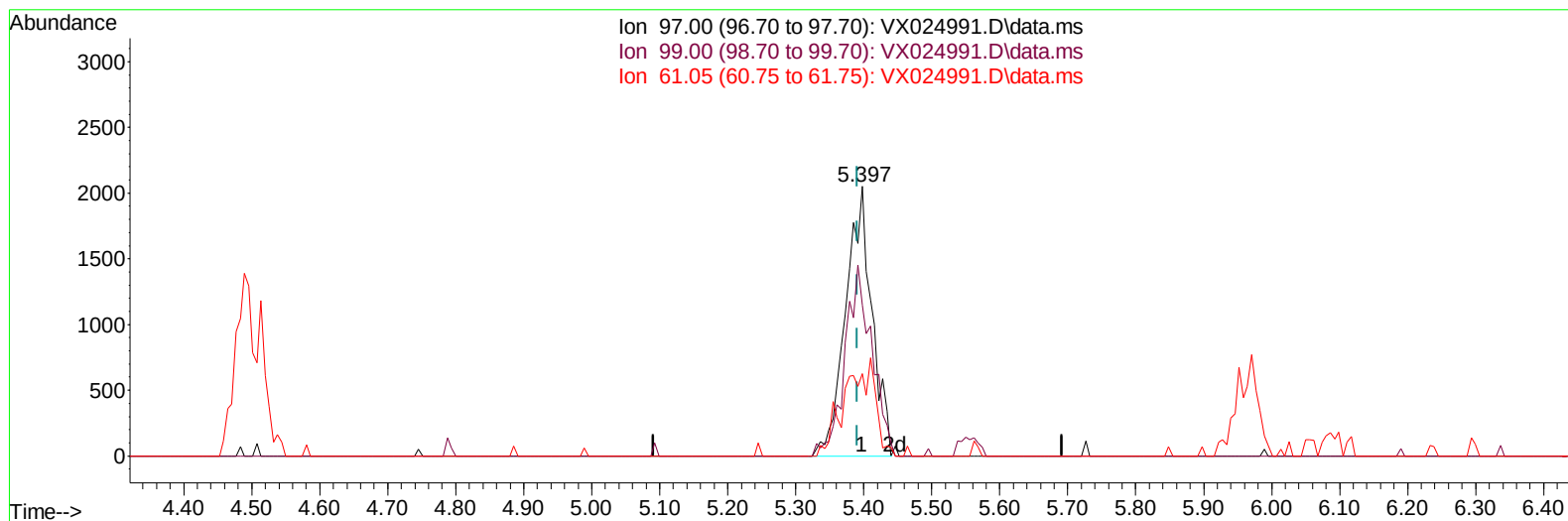
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Data File : VX024991.D
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Instrument :
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ClientSampleId :
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Manual Integrations
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TIC: VX024991.D\data.ms

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

5.397min (+ 0.006) 2.32 ug/L m

response 5483

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	66.40	71.27
61.05	32.90	15.14#
0.00	0.00	0.00

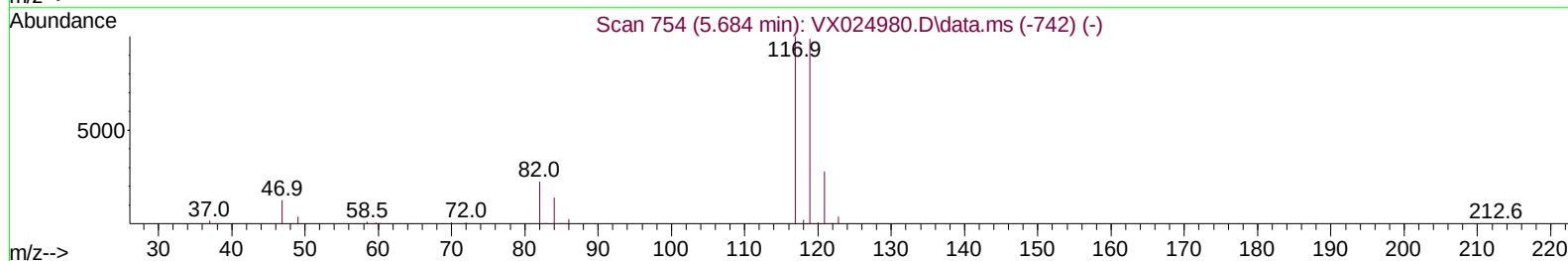
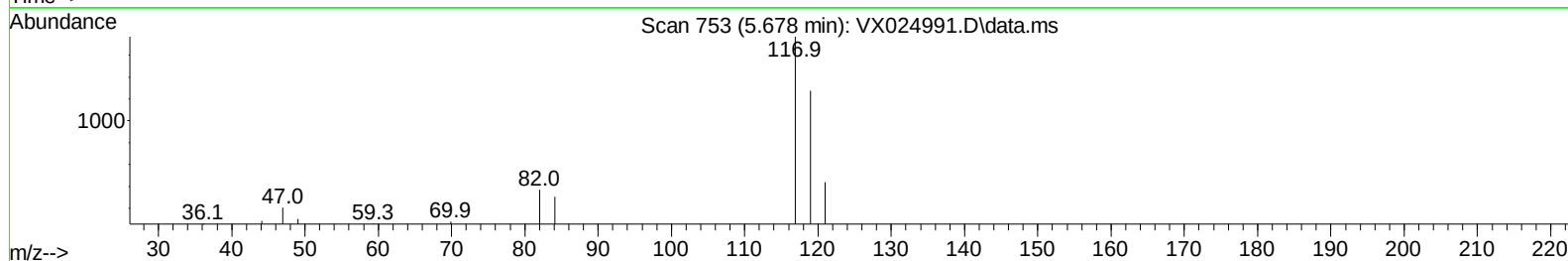
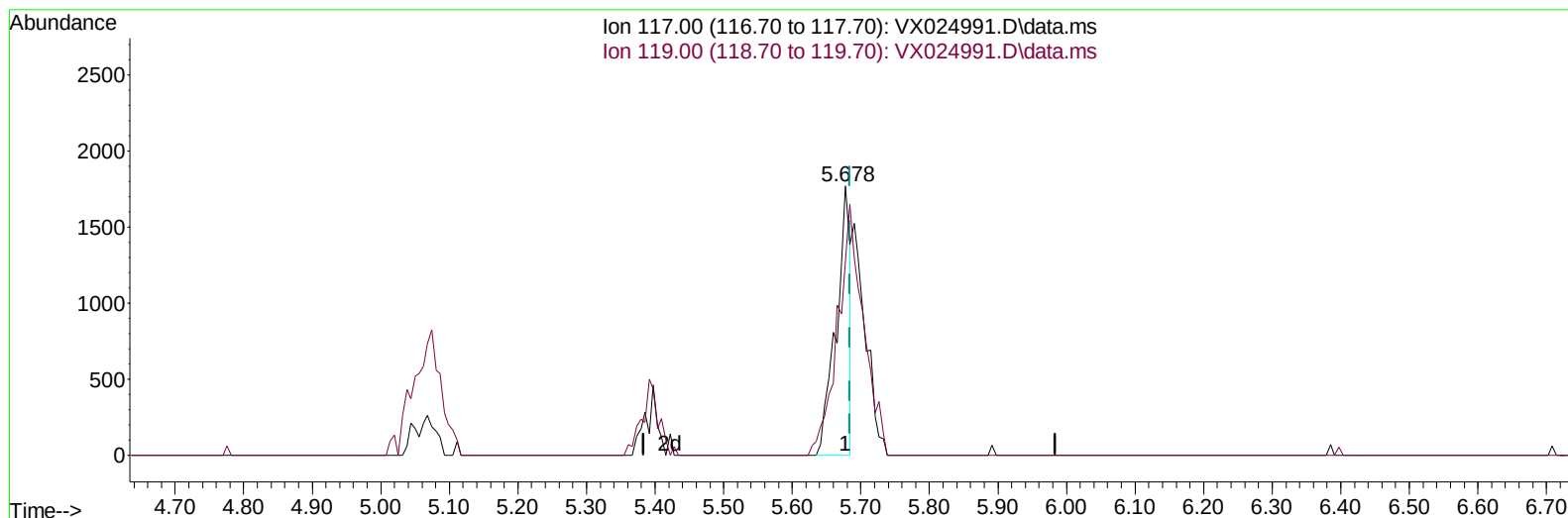
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TIC: VX024991.D\data.ms

(31) Carbon tetrachloride (T)

5.678min (-0.006) 1.19 ug/L

response 2510

Ion	Exp%	Act%
117.00	100.00	100.00
119.00	95.00	170.68#
0.00	0.00	0.00
0.00	0.00	0.00

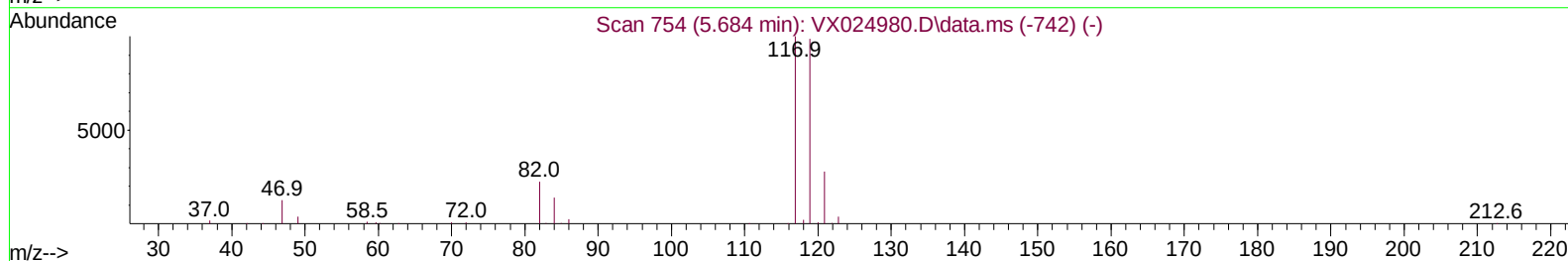
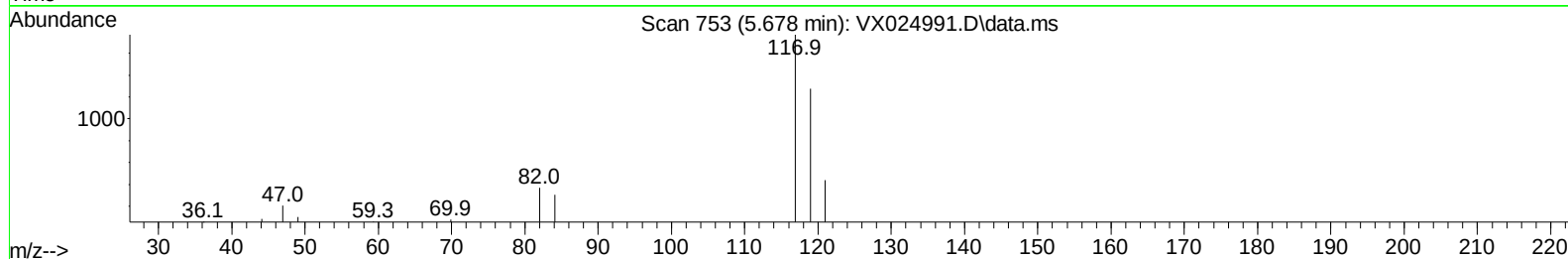
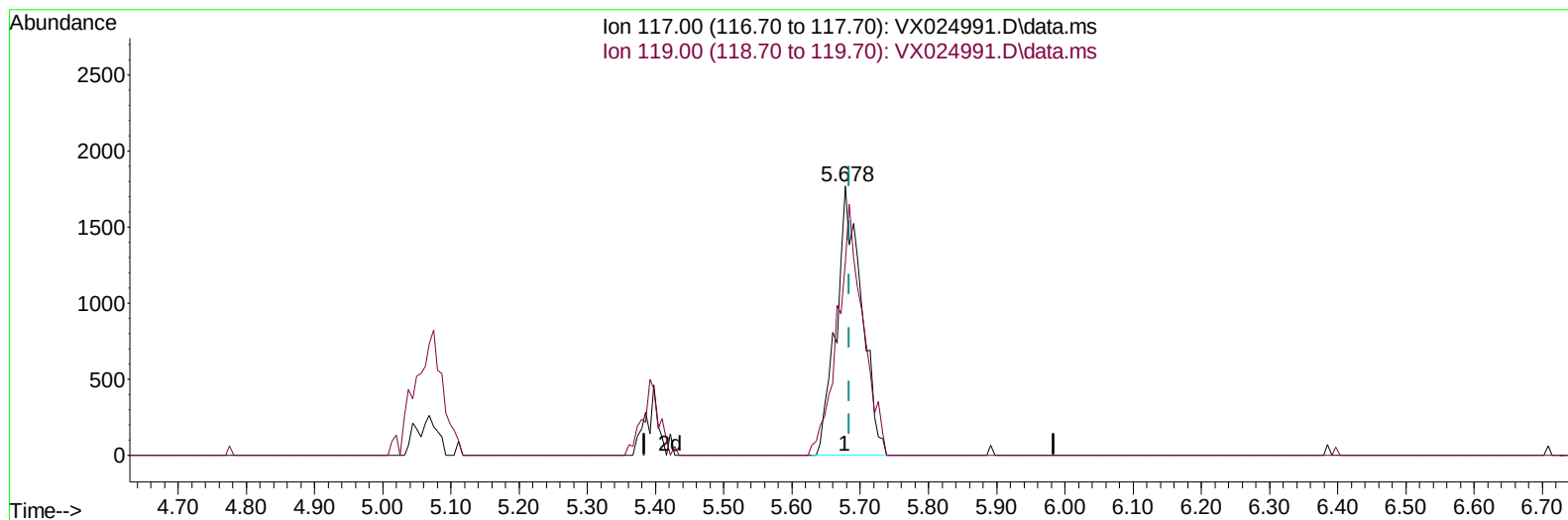
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TIC: VX024991.D\data.ms

(31) Carbon tetrachloride (T)

5.678min (-0.006) 2.18 ug/L m

response 4575

Ion	Exp%	Act%
117.00	100.00	100.00
119.00	95.00	93.64
0.00	0.00	0.00
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	6.769	114	158062	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	141054	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	62179	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	29837	49.801	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	99.600%	
7) Chloroethane-d5	1.666	69	21472	52.613	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	105.220%	
11) 1,1-Dichloroethene-d2	2.307	63	79631	41.412	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	82.820%	
21) 2-Butanone-d5	4.465	46	65777	111.990	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	111.990%	
24) Chloroform-d	5.068	84	127207	49.728	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	99.460%	
26) 1,2-Dichloroethane-d4	5.958	65	85855	52.892	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	105.780%	
32) Benzene-d6	5.983	84	204633	54.507	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	109.020%	
36) 1,2-Dichloropropane-d6	7.312	67	61813	54.657	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	109.320%	
41) Toluene-d8	8.653	98	206125	53.954	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	107.900%	
43) trans-1,3-Dichloroprop...	8.952	79	38530	53.161	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	106.320%	
47) 2-Hexanone-d5	9.391	63	60873	115.172	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	115.170%	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	89752	52.278	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	104.560%	
66) 1,2-Dichlorobenzene-d4	12.323	152	70101	54.991	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	109.980%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	3282	2.268	ug/L	98
3) Chloromethane	1.288	50	1056	2.496	ug/L	98
5) Vinyl chloride	1.374	62	1194	2.064	ug/L #	19
6) Bromomethane	1.618	94	1290	2.756	ug/L	76
8) Chloroethane	1.691	64	976m	3.019	ug/L	
9) Trichlorofluoromethane	1.886	101	4606	2.261	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	3192m	2.855	ug/L	
12) 1,1-Dichloroethene	2.319	96	3043	3.331	ug/L #	1
13) Acetone	2.392	43	2242m	5.291	ug/L	
14) Carbon disulfide	2.520	76	5240	2.313	ug/L	96
15) Methyl Acetate	2.715	43	2144m	3.028	ug/L	
16) Methylene chloride	2.788	84	3310	3.235	ug/L	91
17) trans-1,2-Dichloroethene	3.099	96	2508	2.580	ug/L #	51
18) Methyl tert-butyl Ether	3.123	73	8162	2.208	ug/L	93
19) 1,1-Dichloroethane	3.611	63	4249	2.373	ug/L #	75
20) cis-1,2-Dichloroethene	4.501	96	3245m	2.862	ug/L	
22) 2-Butanone	4.568	43	2916m	5.358	ug/L	
23) Bromochloromethane	4.910	128	1522m	2.483	ug/L	

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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.105	83	6810m	2.846	ug/L	
27) 1,2-Dichloroethane	6.092	62	4123m	2.259	ug/L	
29) Cyclohexane	5.471	56	3218m	2.569	ug/L	
30) 1,1,1-Trichloroethane	5.397	97	5483m	2.319	ug/L	
31) Carbon tetrachloride	5.678	117	4575m	2.178	ug/L	
33) Benzene	6.044	78	9070	2.379	ug/L	100
34) Trichloroethene	7.129	95	3077	2.481	ug/L	87
35) Methylcyclohexane	7.385	83	4210	2.535	ug/L	95
37) 1,2-Dichloropropane	7.440	63	2336	2.542	ug/L #	88
38) Bromodichloromethane	7.824	83	3957	2.343	ug/L	95
39) cis-1,3-Dichloropropene	8.373	75	3889	2.293	ug/L	92
40) 4-Methyl-2-pentanone	8.580	43	4895	4.885	ug/L	98
42) Toluene	8.720	91	13271	3.003	ug/L	95
44) trans-1,3-Dichloropropene	8.976	75	4292	2.396	ug/L	97
45) 1,1,2-Trichloroethane	9.153	97	2598	2.358	ug/L	88
46) Tetrachloroethene	9.275	164	2047	2.338	ug/L	96
48) 2-Hexanone	9.433	43	4661	5.996	ug/L	91
49) Dibromochloromethane	9.525	129	2918	2.128	ug/L	85
50) 1,2-Dibromoethane	9.616	107	2874	2.279	ug/L #	90
51) Chlorobenzene	10.080	112	6640	2.342	ug/L	94
52) Ethylbenzene	10.195	91	12326	2.406	ug/L	93
53) m,p-Xylene	10.305	106	4490	2.432	ug/L	98
54) o-Xylene	10.647	106	4239	2.338	ug/L	77
55) Styrene	10.659	104	6320	2.110	ug/L	82
57) 1,1,2,2-Tetrachloroethane	11.214	83	4902	2.922	ug/L	95
59) Bromoform	10.805	173	2082	2.687	ug/L	99
60) Isopropylbenzene	10.964	105	10631	2.304	ug/L	96
61) 1,2,3-Trichloropropane	11.244	75	3405	2.620	ug/L	90
62) 1,3,5-Trimethylbenzene	11.451	105	9002	2.229	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	9002	2.229	ug/L	100
64) 1,3-Dichlorobenzene	11.976	146	4748	2.465	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	4916	2.552	ug/L	90
67) 1,2-Dichlorobenzene	12.335	146	5281	2.754	ug/L #	85
68) 1,2-Dibromo-3-chloropr...	12.945	75	1174	2.829	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.122	180	2882	2.150	ug/L #	92
70) 1,2,4-trichlorobenzene	13.591	180	2155	1.895	ug/L #	86
71) Naphthalene	13.780	128	6971	1.780	ug/L #	92
72) 1,2,3-Trichlorobenzene	13.969	180	2304	1.965	ug/L	87

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

Instrument :
MSVOA_X
ClientSampleId :
MDL02

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