

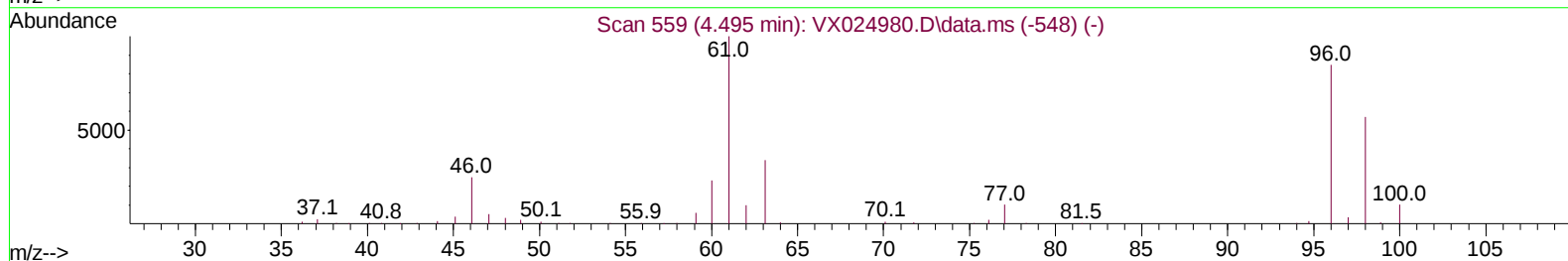
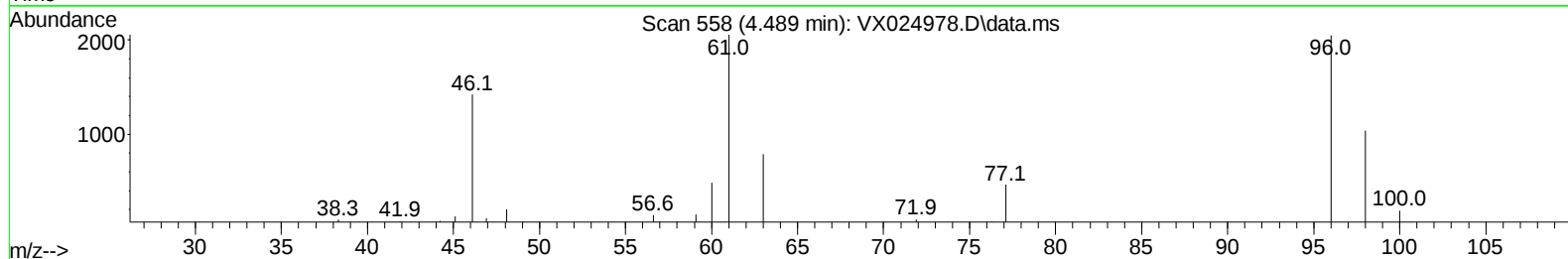
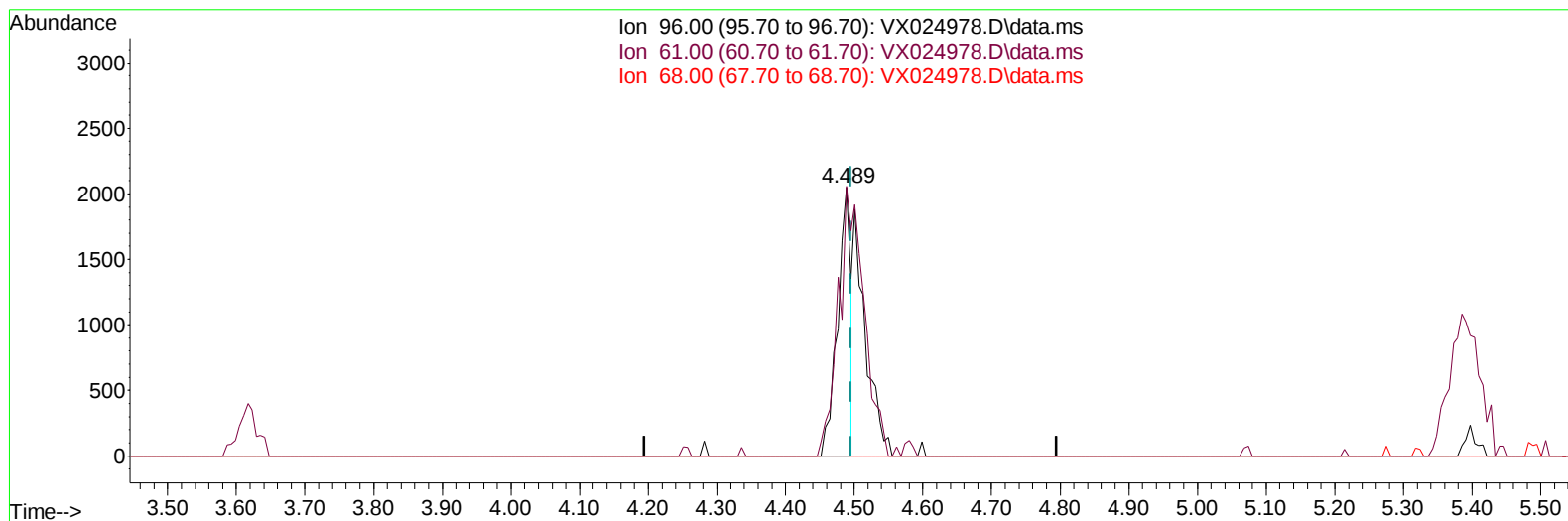
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024978.D
Acq On : 27 Oct 2021 18:41
Operator : JC/MD
Sample : VSTD00517
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005617

Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:06 PM

Quant Time: Oct 28 04:34:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 04:33:56 2021
Response via : Initial Calibration



TIC: VX024978.D\data.ms

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

4.489min (-0.006) 2.43 ug/L

response 2674

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	118.00	100.29
68.00	0.00	0.00
0.00	0.00	0.00

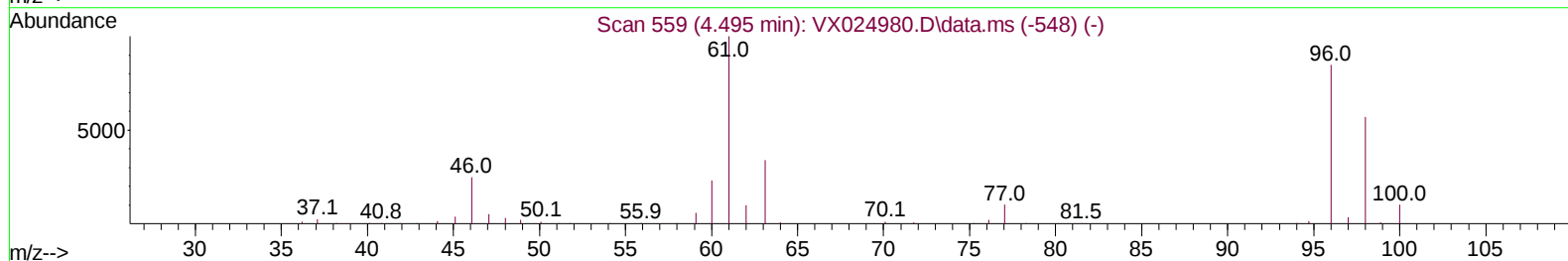
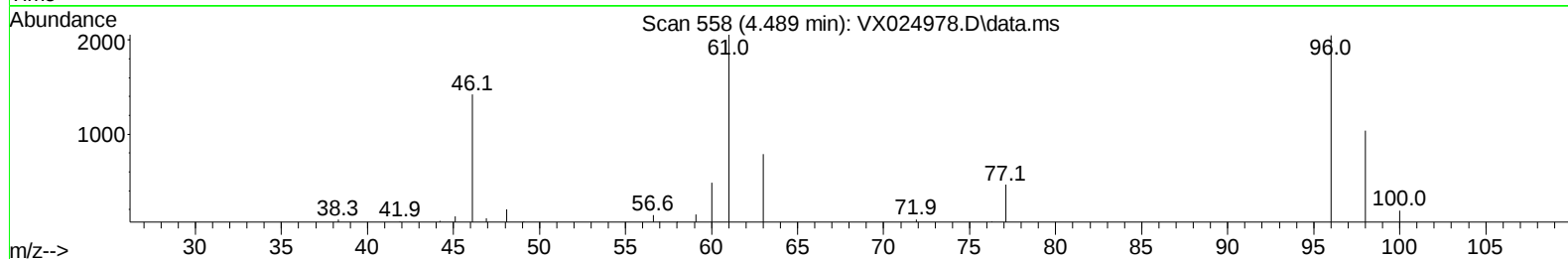
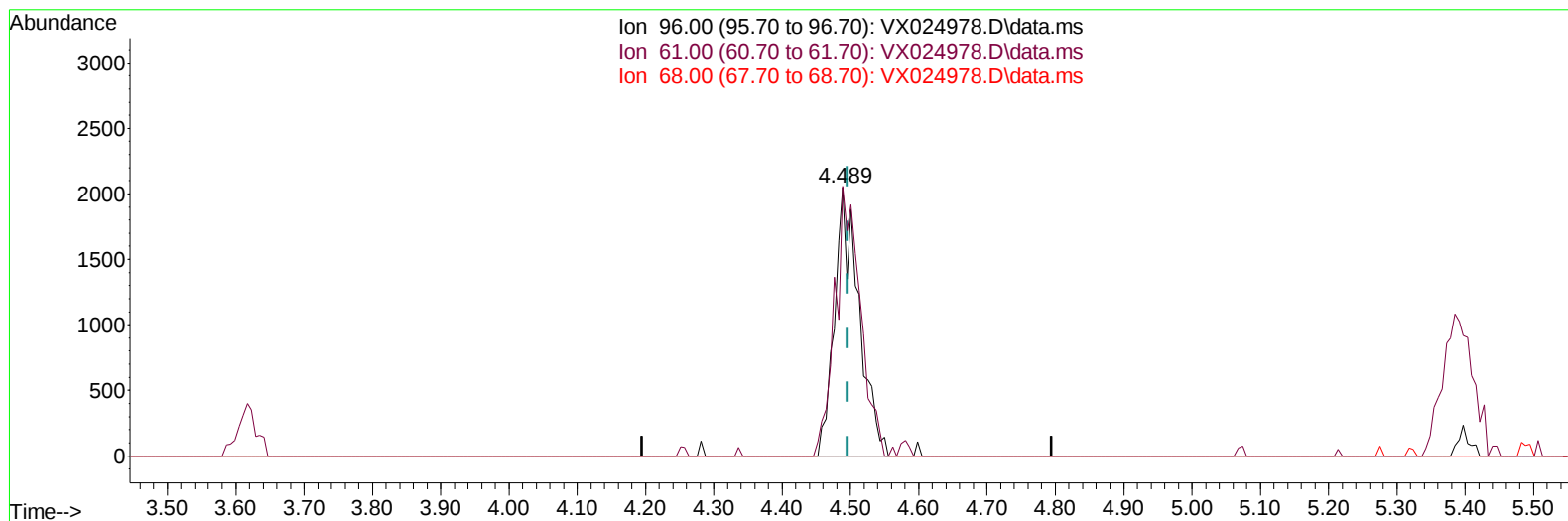
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024978.D
Acq On : 27 Oct 2021 18:41
Operator : JC/MD
Sample : VSTD00517
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005617

Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:06 PM

Quant Time: Oct 28 04:34:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 04:33:56 2021
Response via : Initial Calibration



TIC: VX024978.D\data.ms

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

4.489min (-0.006) 4.65 ug/L m

response 5109

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	118.00	100.29
68.00	0.00	0.00
0.00	0.00	0.00

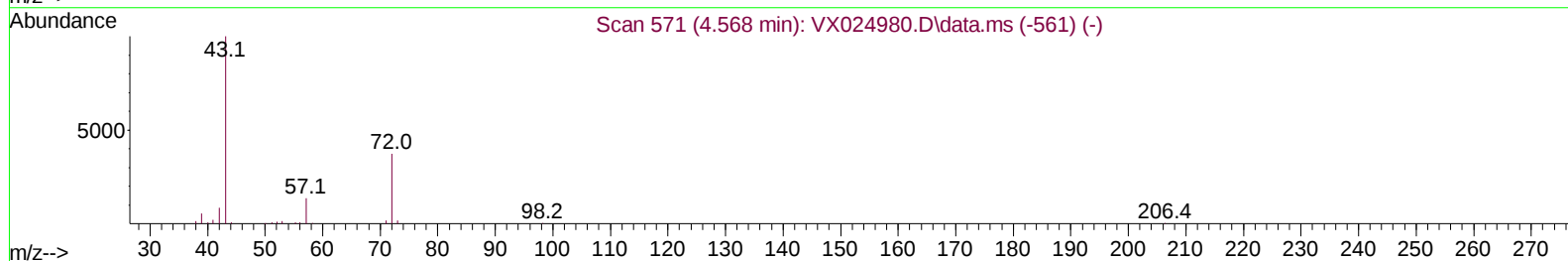
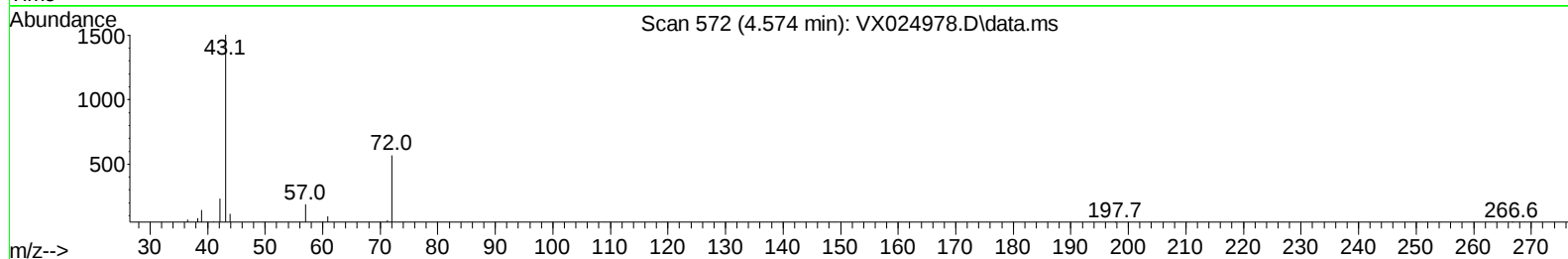
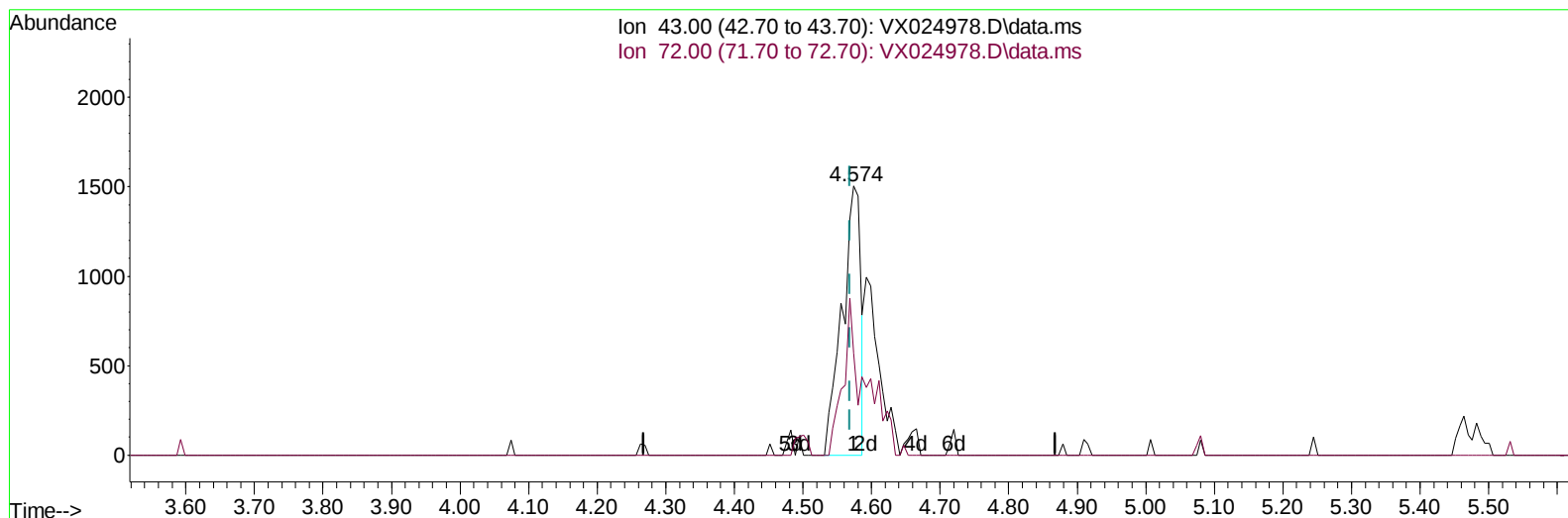
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024978.D
Acq On : 27 Oct 2021 18:41
Operator : JC/MD
Sample : VSTD00517
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005617

Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:06 PM

Quant Time: Oct 28 04:34:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 04:33:56 2021
Response via : Initial Calibration



TIC: VX024978.D\data.ms

(22) 2-Butanone (T)

4.574min (+ 0.006) 3.14 ug/L

response 2864

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	36.70	37.19
0.00	0.00	0.00
0.00	0.00	0.00

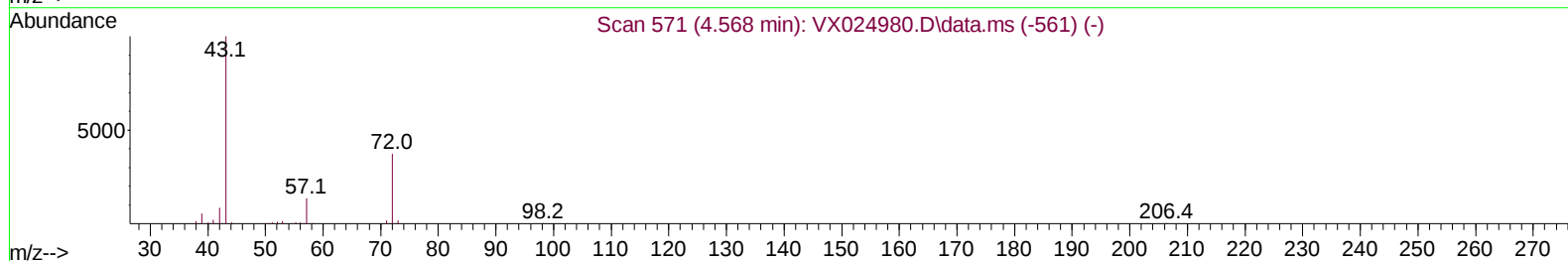
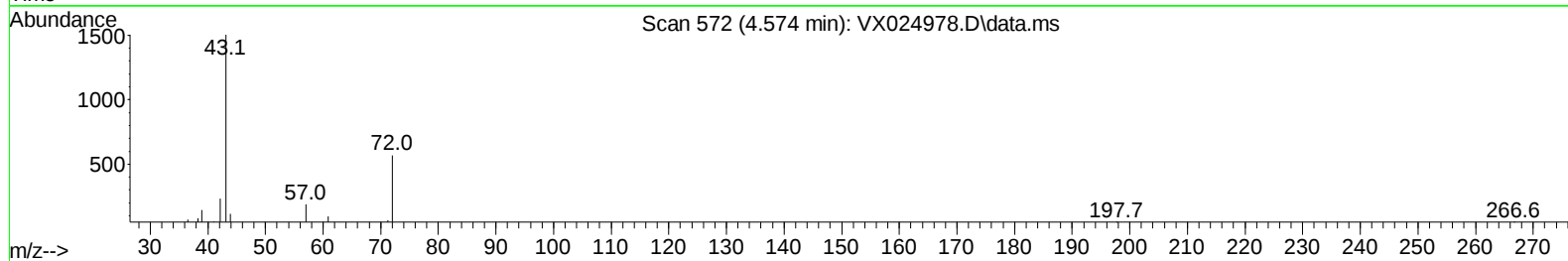
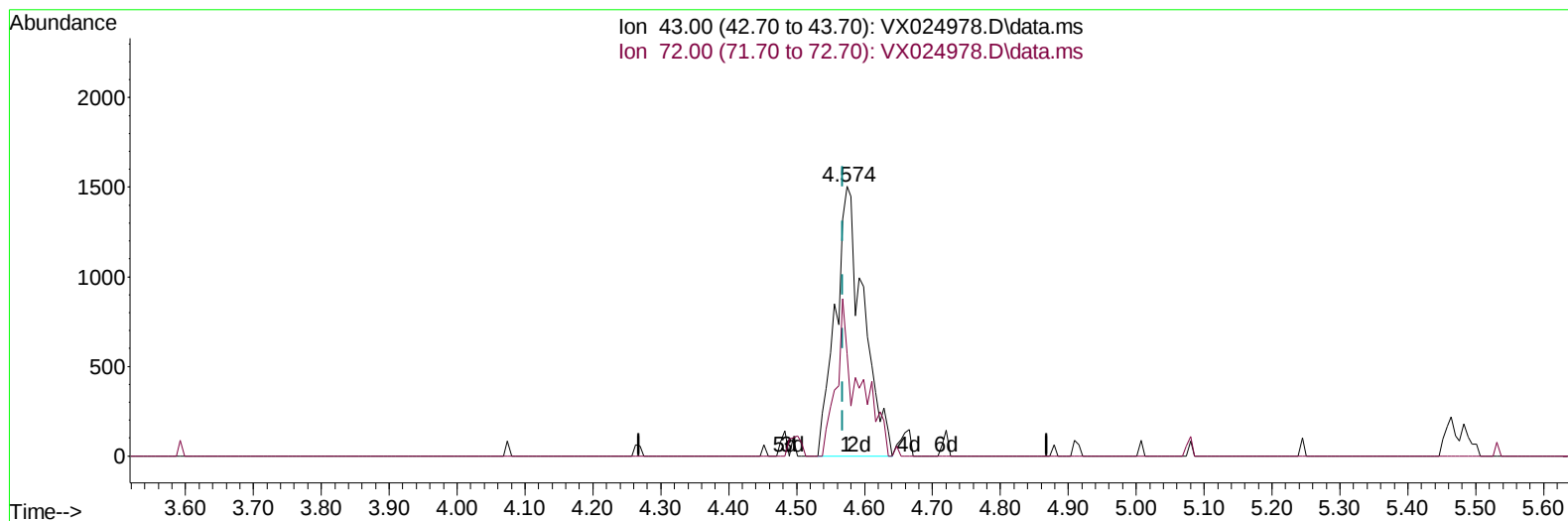
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024978.D
Acq On : 27 Oct 2021 18:41
Operator : JC/MD
Sample : VSTD00517
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005617

Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:06 PM

Quant Time: Oct 28 04:34:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 04:33:56 2021
Response via : Initial Calibration



TIC: VX024978.D\data.ms

(22) 2-Butanone (T)

4.574min (+ 0.006) 4.78 ug/L m

response 4351

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	36.70	24.48
0.00	0.00	0.00
0.00	0.00	0.00

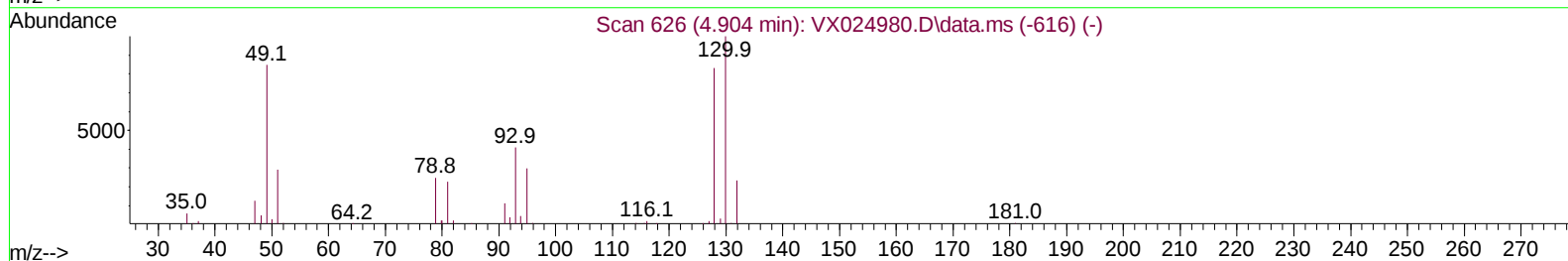
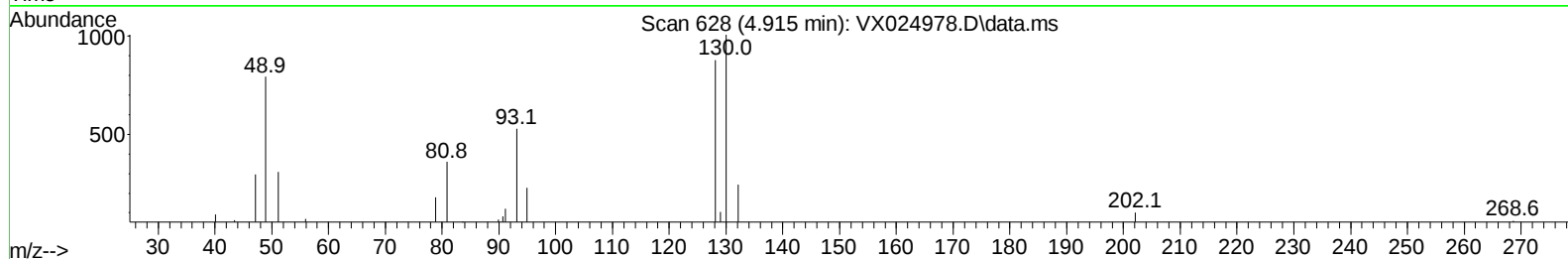
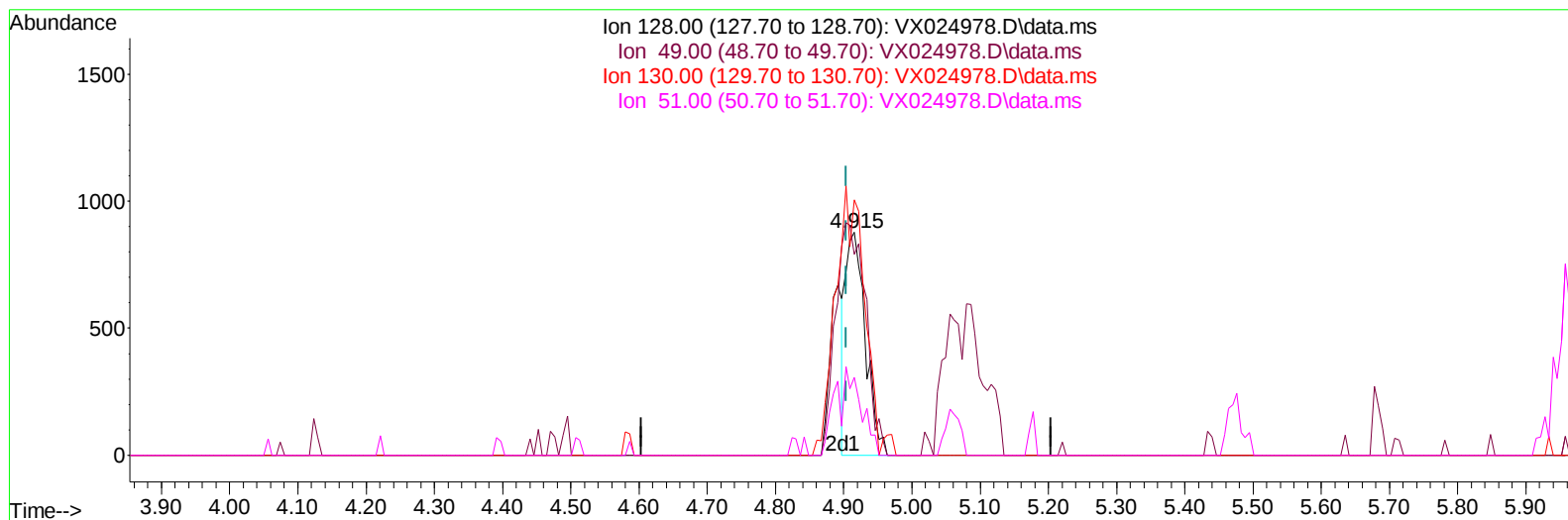
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
 Data File : VX024978.D
 Acq On : 27 Oct 2021 18:41
 Operator : JC/MD
 Sample : VSTD00517
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005617

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 12:57:06 PM

Quant Time: Oct 28 04:34:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:33:56 2021
 Response via : Initial Calibration



TIC: VX024978.D\data.ms

(23) Bromochloromethane (T)

4.915min (+ 0.012) 3.04 ug/L

response 1755

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	102.10	90.21
130.00	120.40	114.58
51.00	34.90	34.97

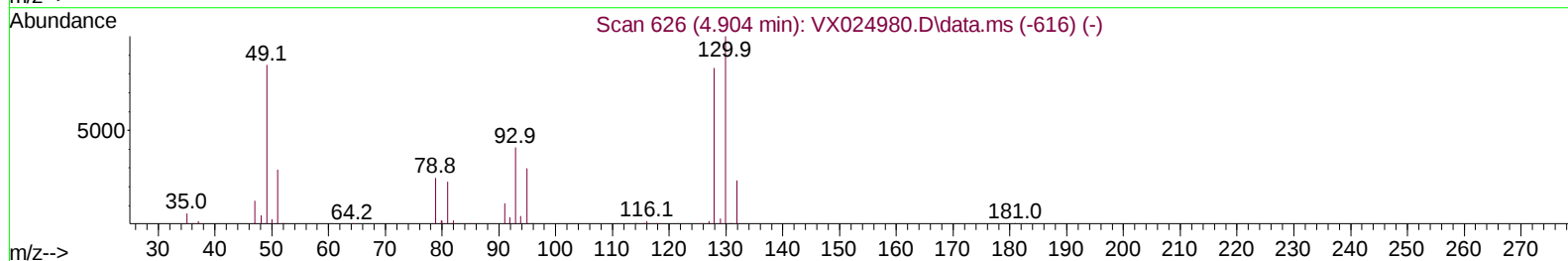
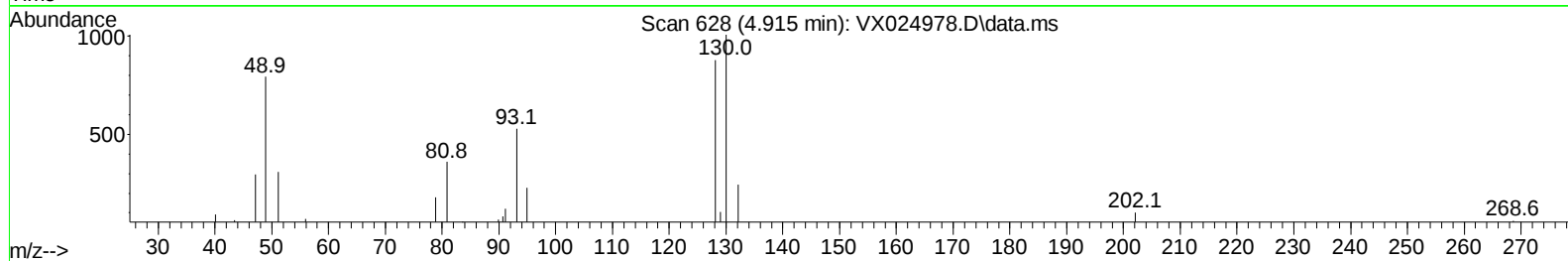
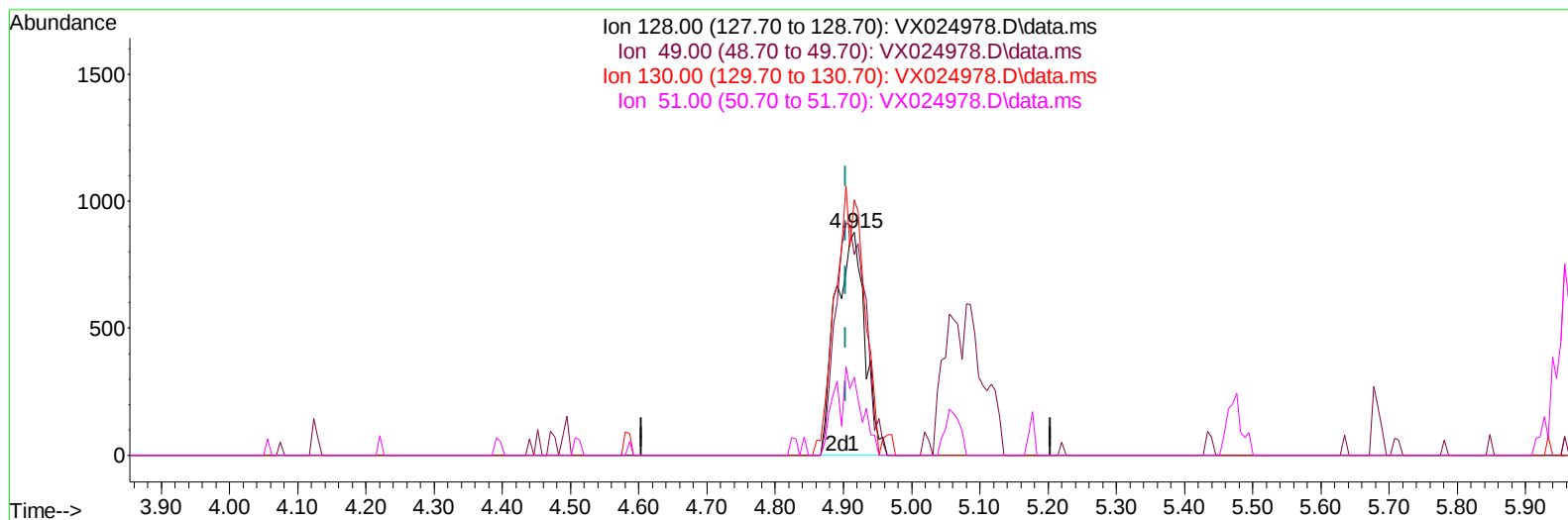
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
 Data File : VX024978.D
 Acq On : 27 Oct 2021 18:41
 Operator : JC/MD
 Sample : VSTD00517
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005617

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 12:57:06 PM

Quant Time: Oct 28 04:34:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:33:56 2021
 Response via : Initial Calibration



TIC: VX024978.D\data.ms

(23) Bromochloromethane (T)

4.915min (+ 0.012) 4.57 ug/L m

response 2637

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	102.10	90.21
130.00	120.40	114.58
51.00	34.90	34.97

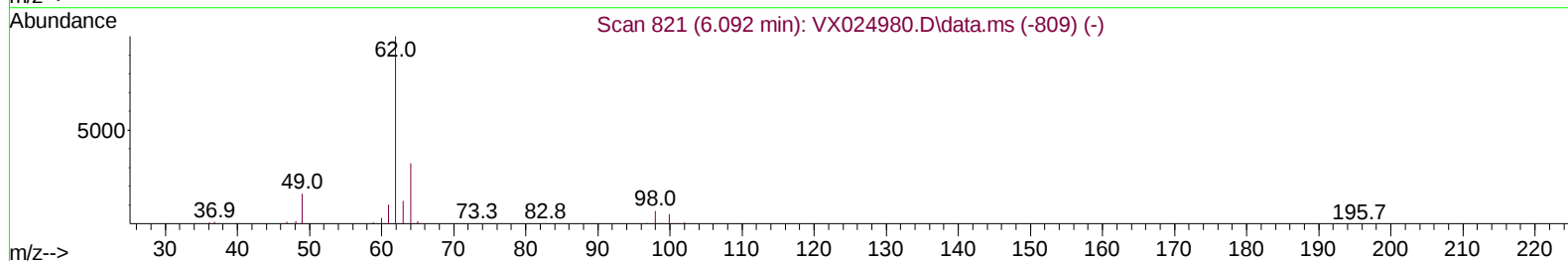
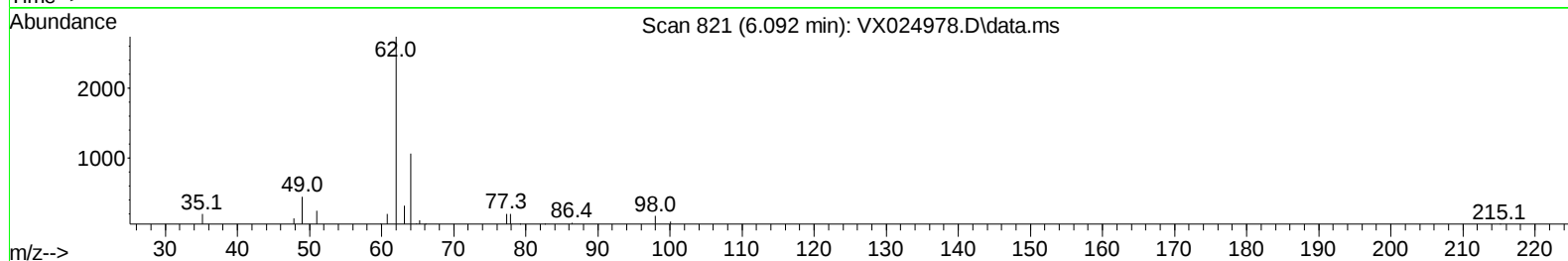
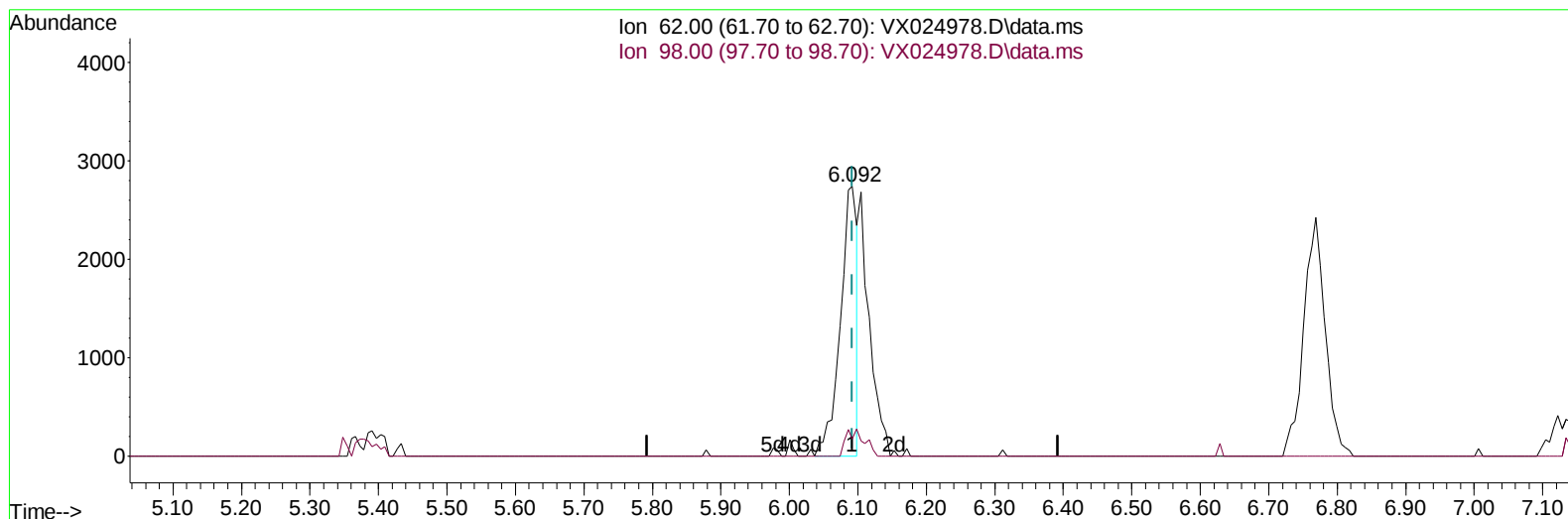
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
 Data File : VX024978.D
 Acq On : 27 Oct 2021 18:41
 Operator : JC/MD
 Sample : VSTD00517
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005617

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 12:57:06 PM

Quant Time: Oct 28 04:34:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:33:56 2021
 Response via : Initial Calibration



TIC: VX024978.D\data.ms

(27) 1,2-Dichloroethane (T)

6.092min (-0.000) 2.82 ug/L

response 4653

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	6.90	6.28
0.00	0.00	0.00
0.00	0.00	0.00

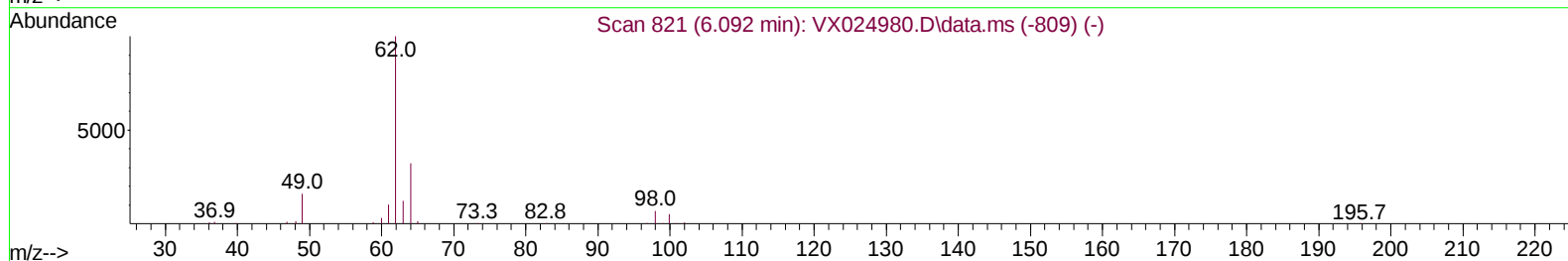
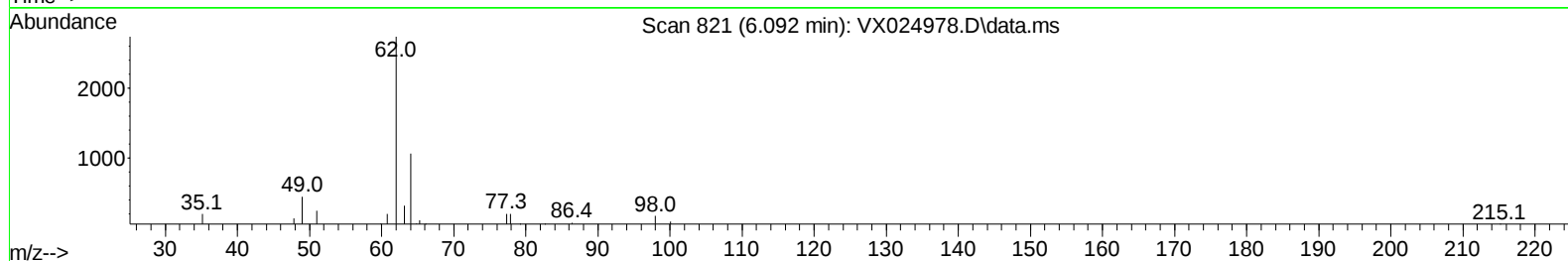
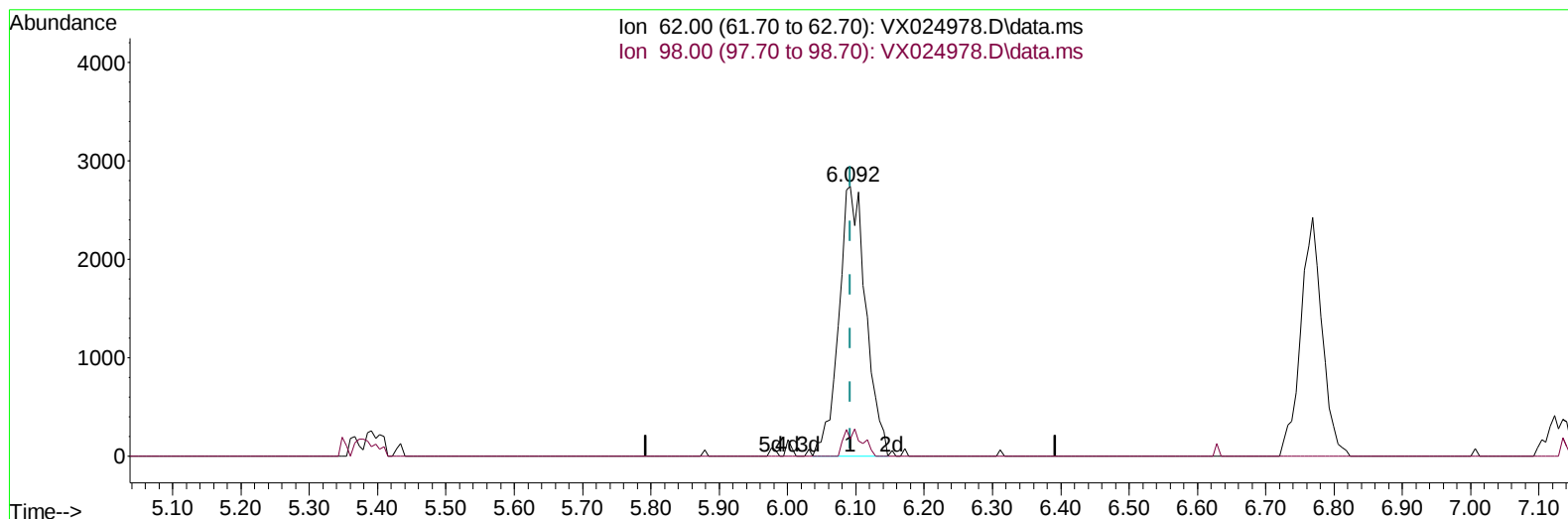
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
 Data File : VX024978.D
 Acq On : 27 Oct 2021 18:41
 Operator : JC/MD
 Sample : VSTD00517
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005617

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 12:57:06 PM

Quant Time: Oct 28 04:34:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:33:56 2021
 Response via : Initial Calibration



TIC: VX024978.D\data.ms

(27) 1,2-Dichloroethane (T)

6.092min (-0.000) 4.57 ug/L m

response 7535

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	6.90	6.28
0.00	0.00	0.00
0.00	0.00	0.00

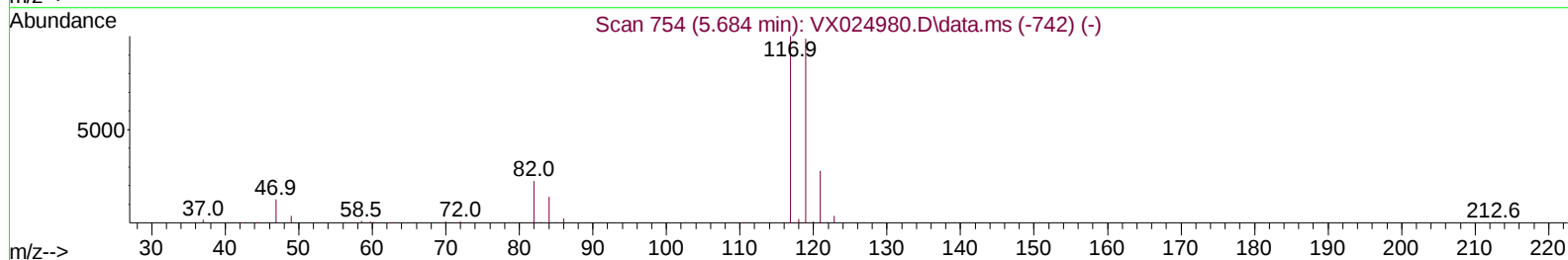
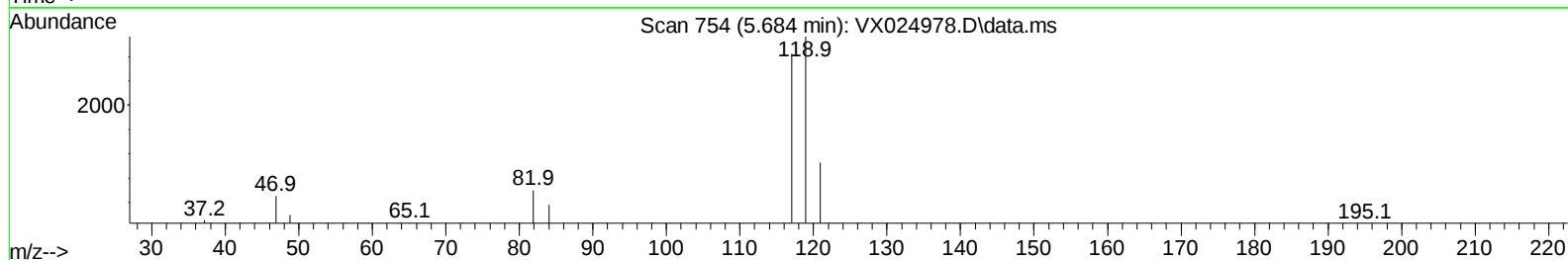
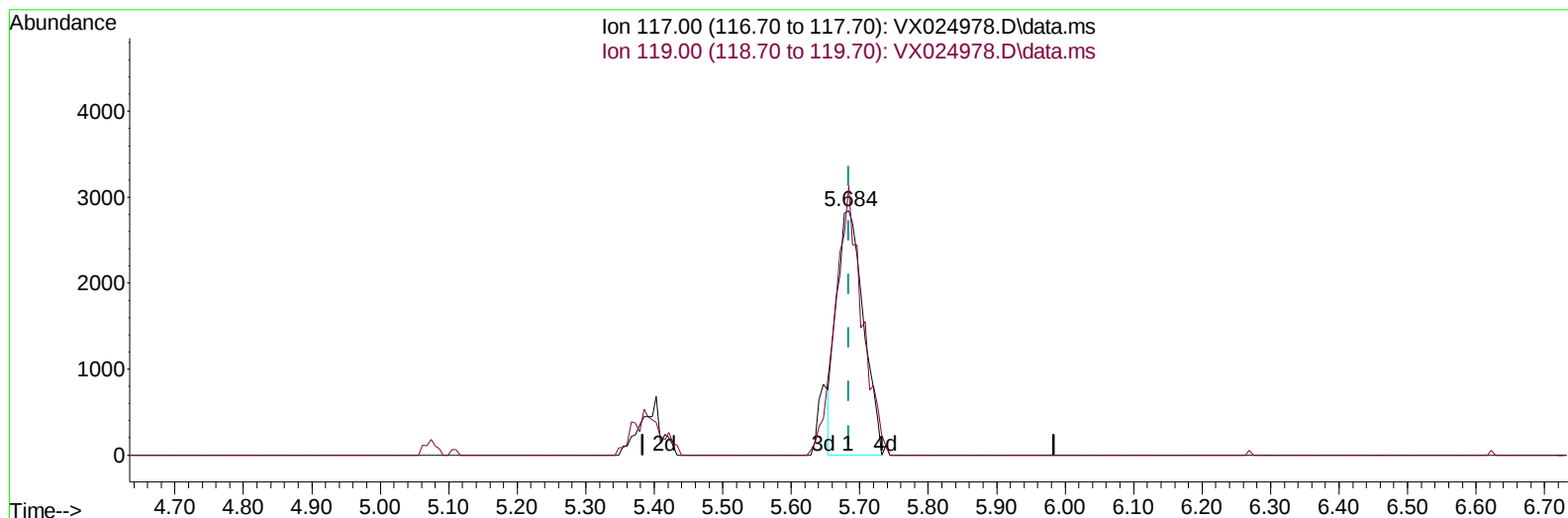
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024978.D
Acq On : 27 Oct 2021 18:41
Operator : JC/MD
Sample : VSTD00517
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005617

Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:06 PM

Quant Time: Oct 28 04:34:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 04:33:56 2021
Response via : Initial Calibration



TIC: VX024978.D\data.ms

(31) Carbon tetrachloride (T)

5.684min (-0.000) 4.57 ug/L

response 7785

Ion	Exp%	Act%
117.00	100.00	100.00
119.00	95.00	109.56
0.00	0.00	0.00
0.00	0.00	0.00

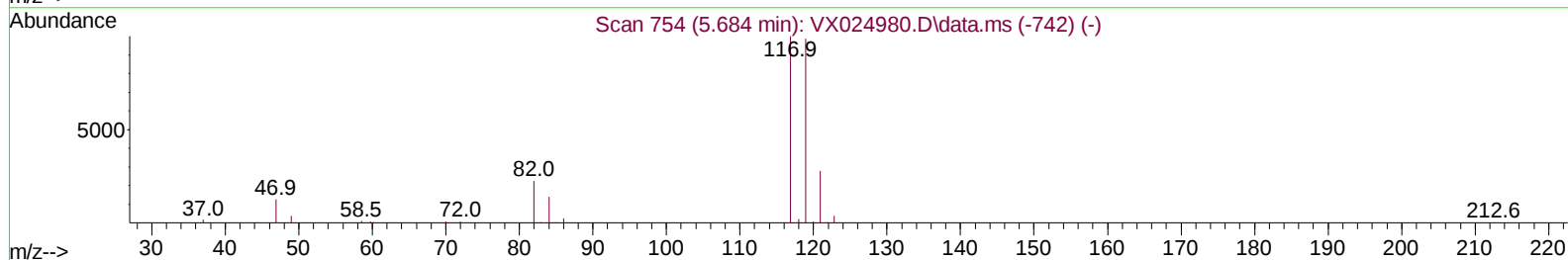
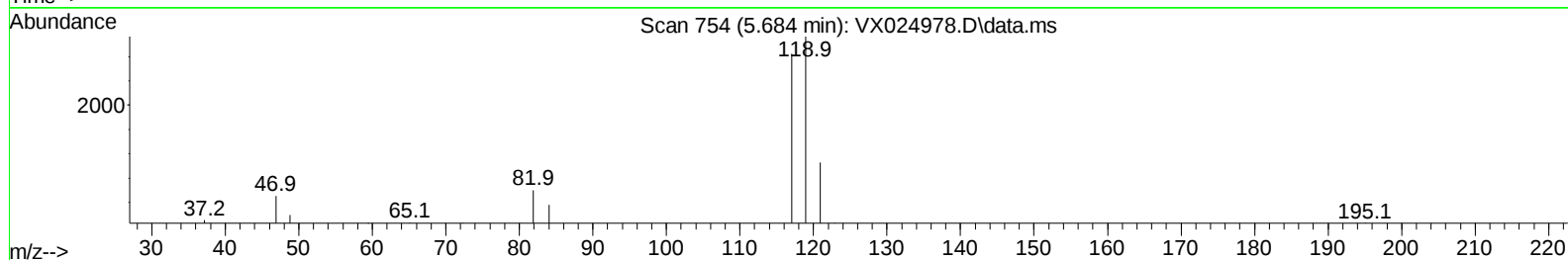
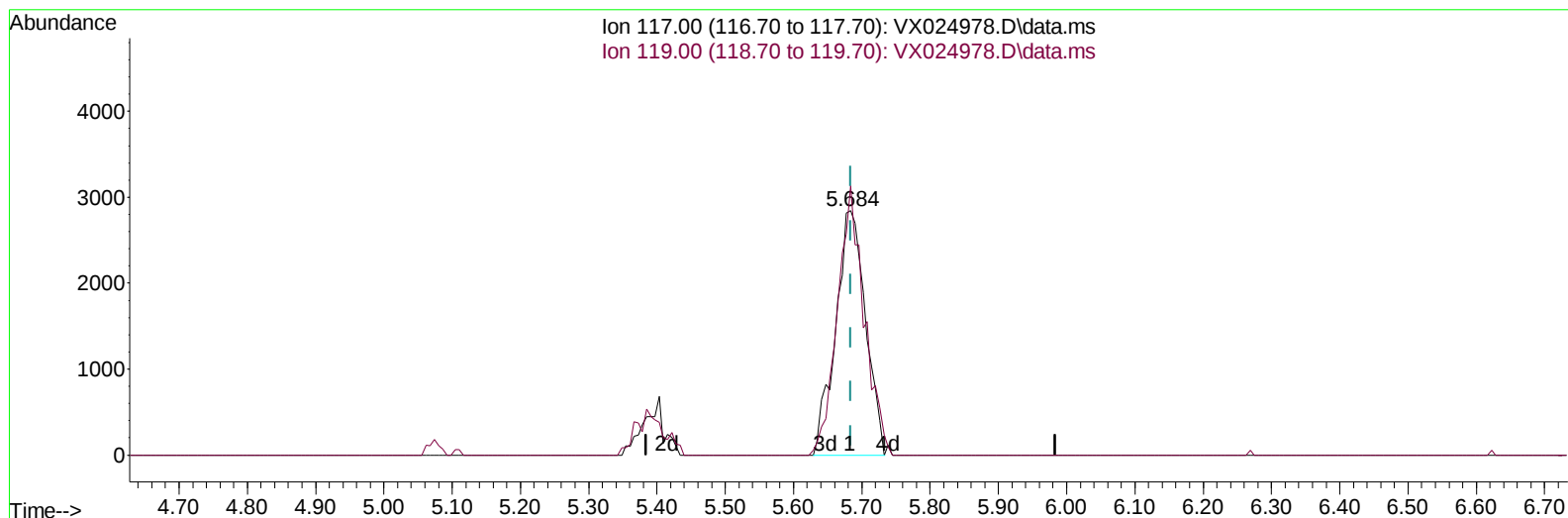
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX024978.D
Acq On : 27 Oct 2021 18:41
Operator : JC/MD
Sample : VSTD00517
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005617

Manual Integrations
APPROVED

MMDadoda
11/1/2021 12:57:06 PM

Quant Time: Oct 28 04:34:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 04:33:56 2021
Response via : Initial Calibration



TIC: VX024978.D\data.ms

(31) Carbon tetrachloride (T)

5.684min (-0.000) 5.08 ug/L m

response 8660

Ion	Exp%	Act%
117.00	100.00	100.00
119.00	95.00	98.49
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
 Data File : VX024978.D
 Acq On : 27 Oct 2021 18:41
 Operator : JC/MD
 Sample : VSTD00517
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005617

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 12:57:06 PM

Quant Time: Oct 28 04:34:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:33:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	149760	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	137870	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	63389	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	2775	3.218	ug/L	0.00
7) Chloroethane-d5	1.672	69	2012	3.505	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.318	63	8188	4.449	ug/L	0.01
21) 2-Butanone-d5	4.476	46	5138	7.109	ug/L	0.00
24) Chloroform-d	5.062	84	11576	5.816	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.970	65	7381	5.324	ug/L	0.00
32) Benzene-d6	5.988	84	17086	4.417	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.311	67	5331	4.437	ug/L	0.00
41) Toluene-d8	8.653	98	17668	4.640	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.951	79	3198	5.099	ug/L	0.00
47) 2-Hexanone-d5	9.390	63	4631	8.165	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	7848	4.584	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	6136	4.922	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6323	4.639	ug/L	95
3) Chloromethane	1.294	50	1593	1.668	ug/L	93
5) Vinyl chloride	1.373	62	2250	2.264	ug/L	87
6) Bromomethane	1.617	94	1934	3.373	ug/L	77
8) Chloroethane	1.696	64	1588	2.989	ug/L	91
9) Trichlorofluoromethane	1.886	101	9303	5.642	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	4754	4.787	ug/L	95
12) 1,1-Dichloroethene	2.318	96	3604	4.097	ug/L #	75
13) Acetone	2.392	43	4111	5.985	ug/L	88
14) Carbon disulfide	2.513	76	9602	3.944	ug/L #	95
15) Methyl Acetate	2.709	43	3114	2.843	ug/L #	84
16) Methylene chloride	2.794	84	4702	4.598	ug/L	98
17) trans-1,2-Dichloroethene	3.099	96	3979	4.096	ug/L	97
18) Methyl tert-butyl Ether	3.117	73	15495	4.703	ug/L #	89
19) 1,1-Dichloroethane	3.617	63	7110	3.918	ug/L	94
20) cis-1,2-Dichloroethene	4.489	96	5109m	4.649	ug/L	
22) 2-Butanone	4.574	43	4351m	4.775	ug/L	
23) Bromochloromethane	4.915	128	2637m	4.570	ug/L	
25) Chloroform	5.104	83	10145	4.764	ug/L	95
27) 1,2-Dichloroethane	6.092	62	7535m	4.573	ug/L	
29) Cyclohexane	5.482	56	4588	2.809	ug/L	86
30) 1,1,1-Trichloroethane	5.385	97	9832	5.083	ug/L	95
31) Carbon tetrachloride	5.684	117	8660m	5.080	ug/L	
33) Benzene	6.043	78	16526	3.947	ug/L	100
34) Trichloroethene	7.128	95	5320	4.433	ug/L	95
35) Methylcyclohexane	7.391	83	6692	3.632	ug/L	89
37) 1,2-Dichloropropane	7.433	63	3772	3.444	ug/L #	94
38) Bromodichloromethane	7.830	83	6721	4.490	ug/L #	94
39) cis-1,3-Dichloropropene	8.372	75	6864	4.044	ug/L	85
40) 4-Methyl-2-pentanone	8.573	43	8542	5.419	ug/L	96
42) Toluene	8.720	91	18542	3.917	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
 Data File : VX024978.D
 Acq On : 27 Oct 2021 18:41
 Operator : JC/MD
 Sample : VSTD00517
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005617

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 12:57:06 PM

Quant Time: Oct 28 04:34:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:33:56 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.982	75	6840	4.054	ug/L	94
45) 1,1,2-Trichloroethane	9.152	97	4798	4.353	ug/L	94
46) Tetrachloroethene	9.274	164	3533	3.881	ug/L	96
48) 2-Hexanone	9.439	43	6388	4.999	ug/L	95
49) Dibromochloromethane	9.524	129	5304	4.462	ug/L	95
50) 1,2-Dibromoethane	9.610	107	5213	4.289	ug/L	88
51) Chlorobenzene	10.085	112	11796	4.045	ug/L	94
52) Ethylbenzene	10.195	91	21084	4.213	ug/L	97
53) m,p-Xylene	10.305	106	7753	4.063	ug/L	78
54) o-Xylene	10.646	106	7683	4.019	ug/L	100
55) Styrene	10.658	104	11349	3.565	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.213	83	7581	4.334	ug/L	82
59) Bromoform	10.805	173	3025	4.045	ug/L #	87
60) Isopropylbenzene	10.963	105	20393	4.574	ug/L	97
61) 1,2,3-Trichloropropane	11.237	75	6601	4.998	ug/L	93
62) 1,3,5-Trimethylbenzene	11.457	105	16790	4.258	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	17459	4.511	ug/L	93
64) 1,3-Dichlorobenzene	11.969	146	8636	4.236	ug/L	95
65) 1,4-Dichlorobenzene	12.042	146	8932	4.359	ug/L	95
67) 1,2-Dichlorobenzene	12.341	146	8193	4.079	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.944	75	1721	4.661	ug/L	94
69) 1,3,5-Trichlorobenzene	13.115	180	5741	3.861	ug/L	95
70) 1,2,4-trichlorobenzene	13.591	180	4153	3.298	ug/L	96
71) Naphthalene	13.780	128	11652	2.769	ug/L	96
72) 1,2,3-Trichlorobenzene	13.963	180	4488	3.456	ug/L	91

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

