

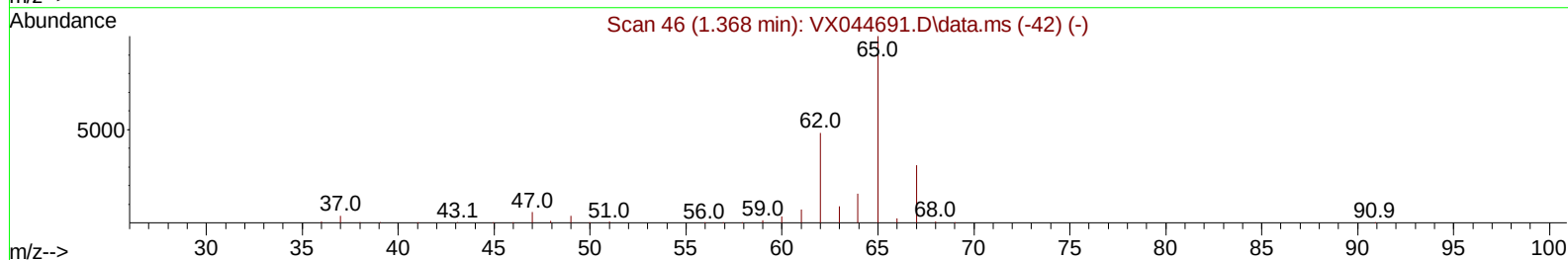
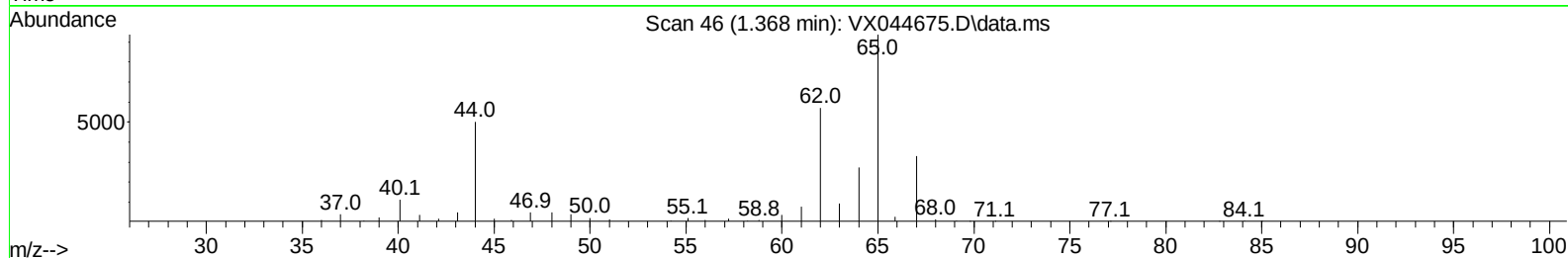
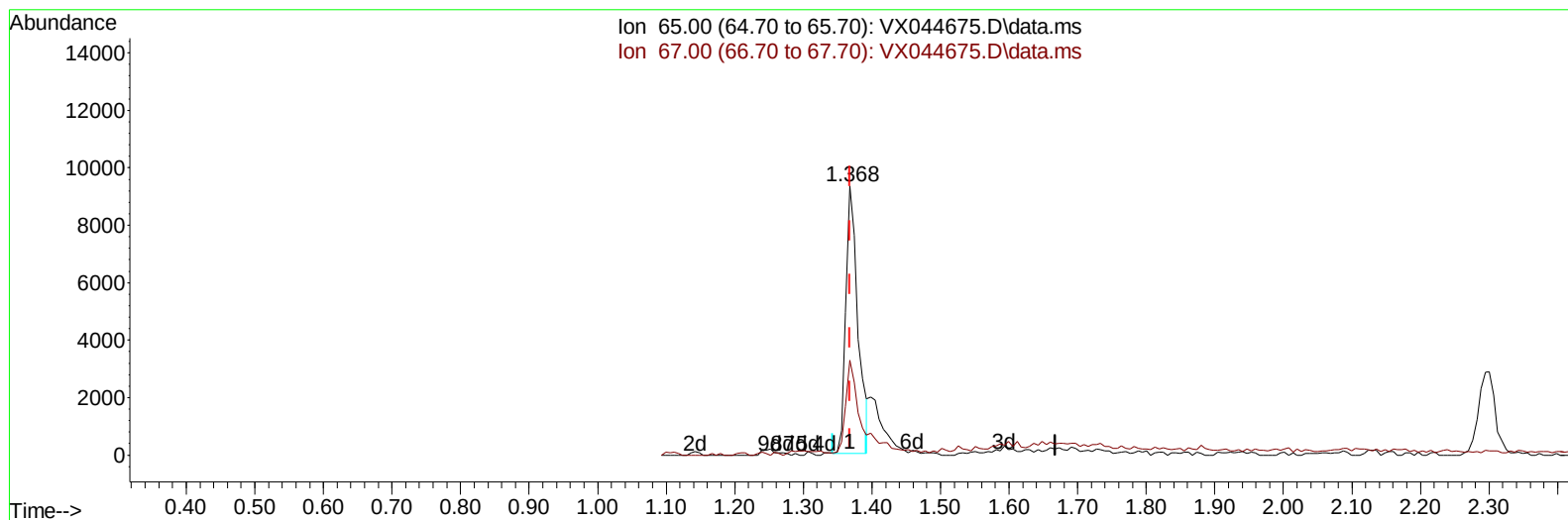
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012125\
Data File : VX044675.D
Acq On : 21 Jan 2025 10:53
Operator : JC/MD
Sample : VSTD00555
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005655

Manual IntegrationsAPPROVED

Quant Time: Jan 23 05:22:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 23 00:51:10 2025
Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 01/22/2025
Supervised By :Semsettin Yesilyurt 01/22/2025



TIC: VX044675.D\data.ms

(4) Vinyl Chloride-d3 (S)

1.368min (+ 0.000) 3.60 ug/L

response 11368

Ion	Exp%	Act%
65.00	100.00	100.00
67.00	31.70	38.85
0.00	0.00	0.00
0.00	0.00	0.00

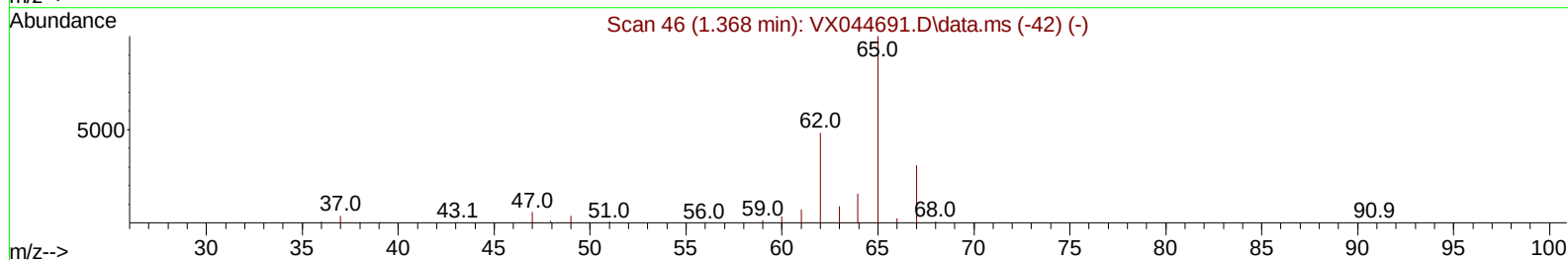
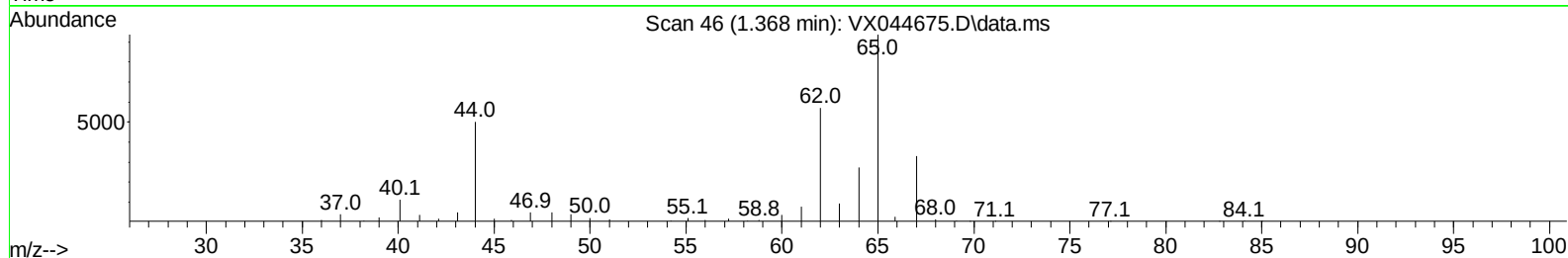
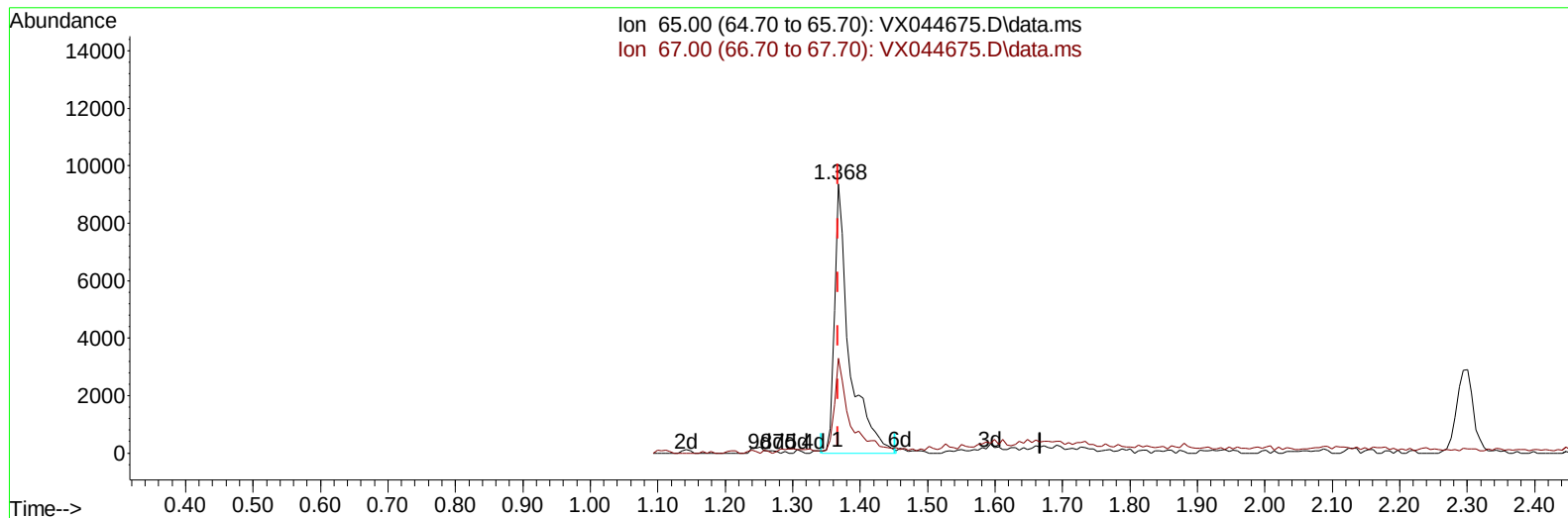
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012125\
Data File : VX044675.D
Acq On : 21 Jan 2025 10:53
Operator : JC/MD
Sample : VSTD00555
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005655

Manual IntegrationsAPPROVED

Quant Time: Jan 22 00:58:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jan 22 00:56:43 2025
Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 01/22/2025
Supervised By :Semsettin Yesilyurt 01/22/2025



TIC: VX044675.D\data.ms

(4) Vinyl Chloride-d3 (S)

1.368min (+ 0.000) 4.80 ug/L m

response 14533

Ion	Exp%	Act%
65.00	100.00	100.00
67.00	31.70	30.39
0.00	0.00	0.00
0.00	0.00	0.00

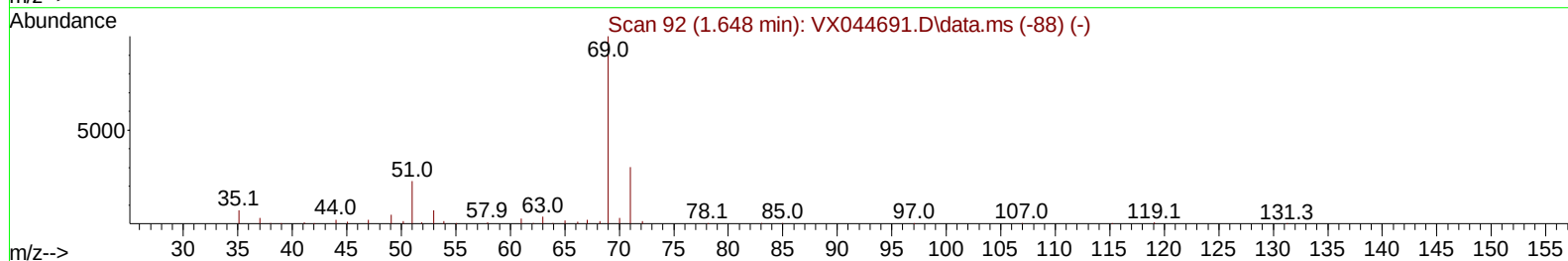
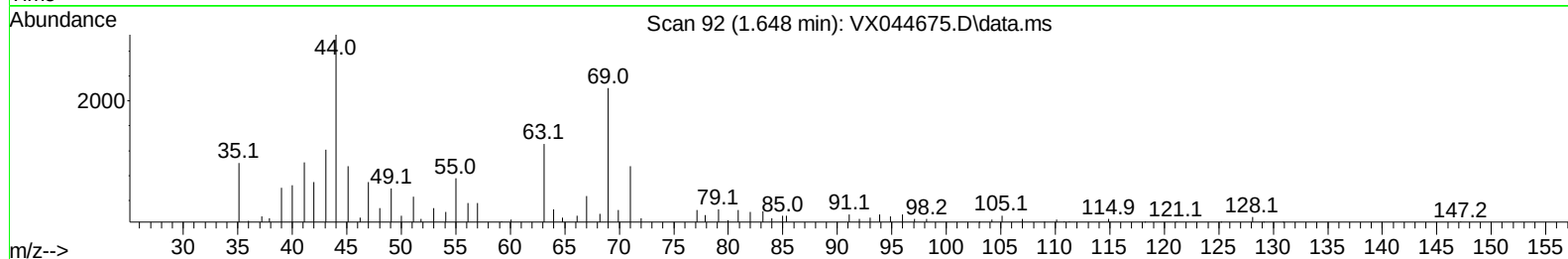
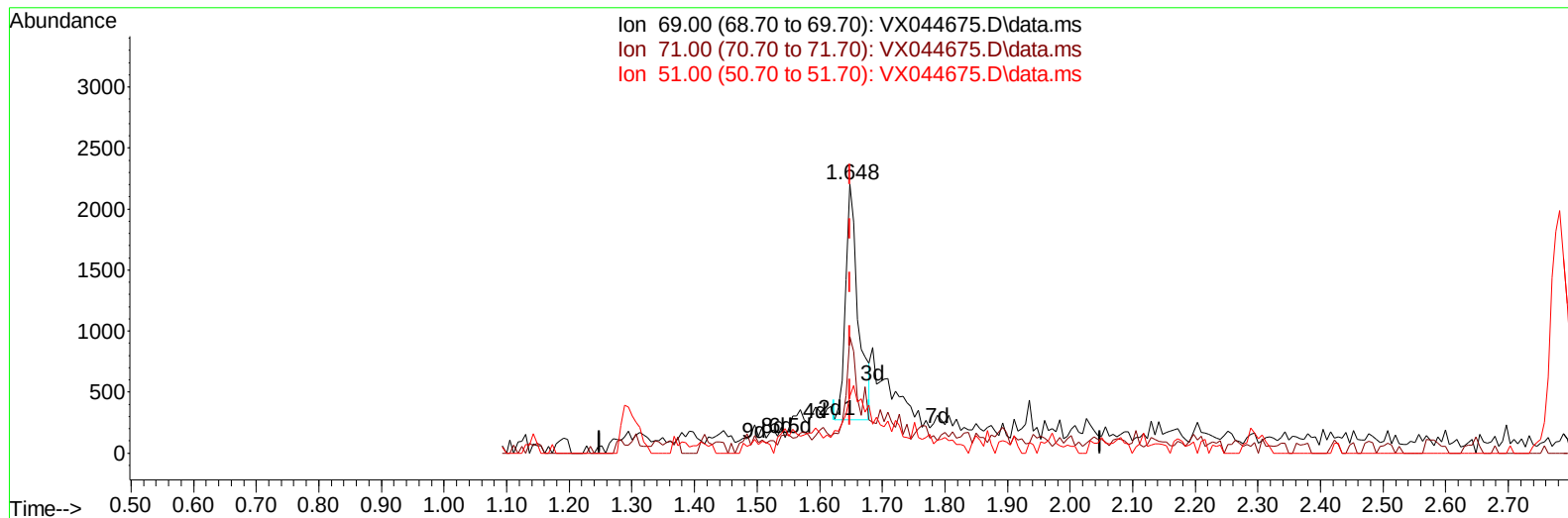
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012125\
Data File : VX044675.D
Acq On : 21 Jan 2025 10:53
Operator : JC/MD
Sample : VSTD00555
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005655

Manual IntegrationsAPPROVED

Quant Time: Jan 23 05:22:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
Quant Title : VOC Analysis
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Reviewed By :Mahesh Dadoda 01/22/2025
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TIC: VX044675.D\data.ms

(7) Chloroethane-d5 (S)

1.648min (+ 0.000) 3.37 ug/L

response 2742

Ion	Exp%	Act%
69.00	100.00	100.00
71.00	24.30	41.10#
51.00	12.50	50.55#
0.00	0.00	0.00

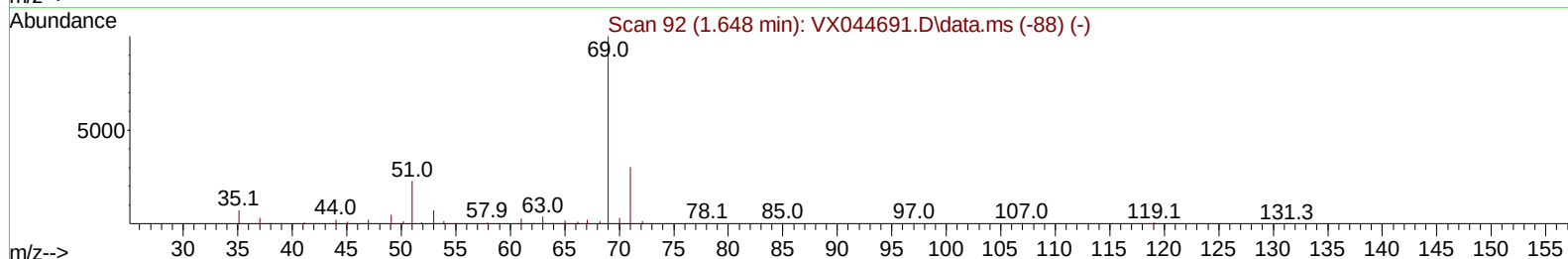
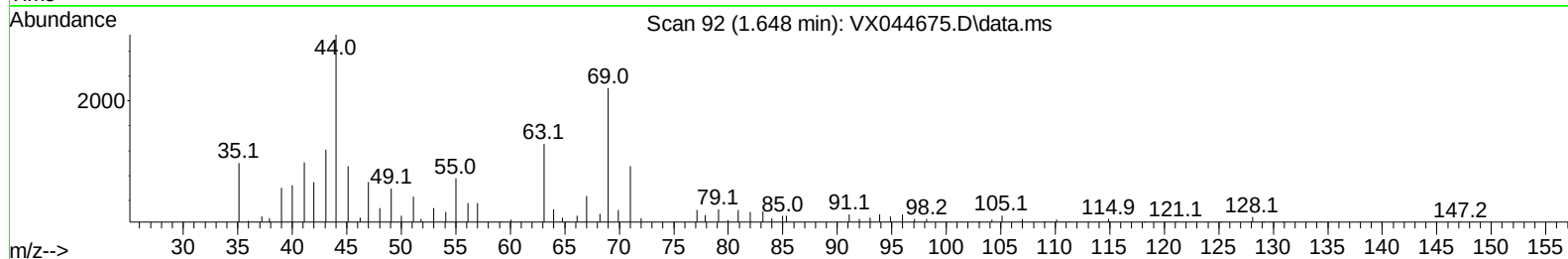
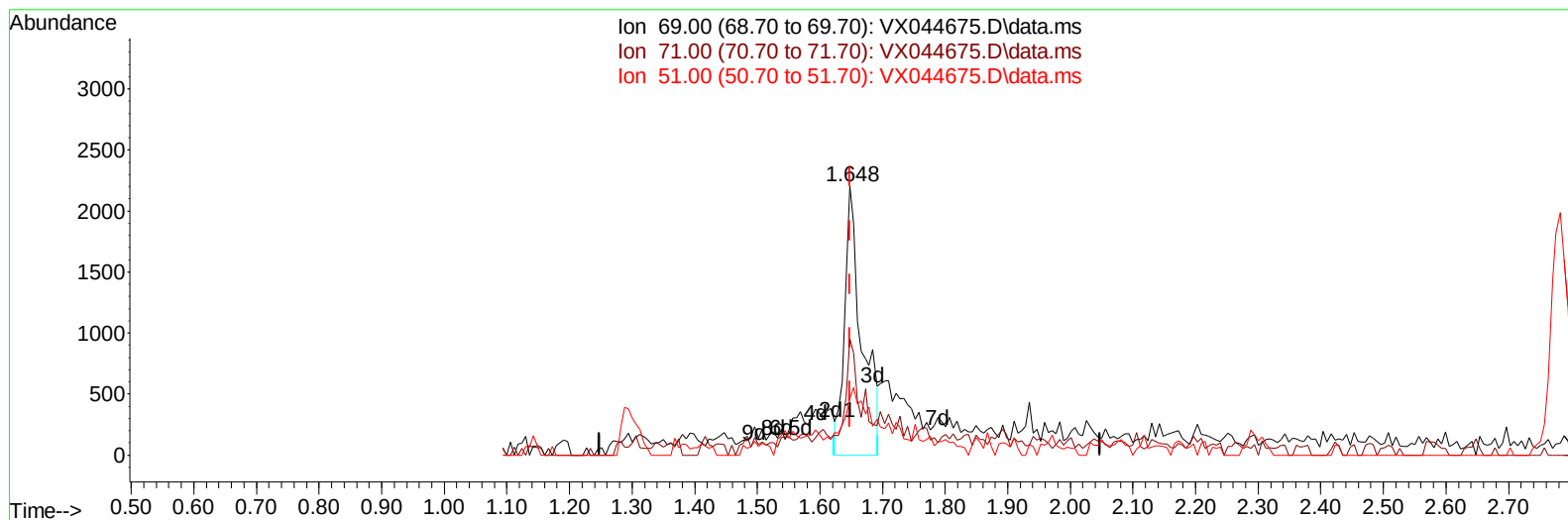
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012125\
Data File : VX044675.D
Acq On : 21 Jan 2025 10:53
Operator : JC/MD
Sample : VSTD00555
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005655

Manual IntegrationsAPPROVED

Quant Time: Jan 22 00:58:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jan 22 00:56:43 2025
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Reviewed By :Mahesh Dadoda 01/22/2025
Supervised By :Semsettin Yesilyurt 01/22/2025



TIC: VX044675.D\data.ms

(7) Chloroethane-d5 (S)

1.648min (+ 0.000) 4.81 ug/L m

response 4164

Ion	Exp%	Act%
69.00	100.00	100.00
71.00	24.30	27.07
51.00	12.50	33.29#
0.00	0.00	0.00

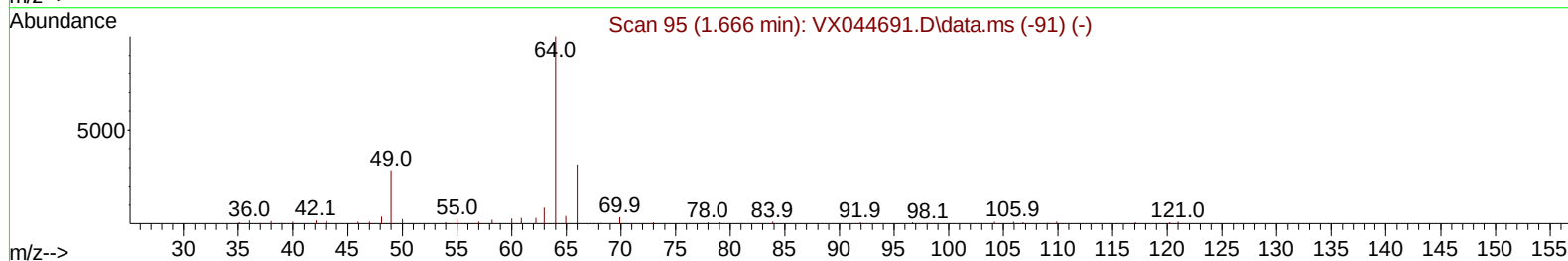
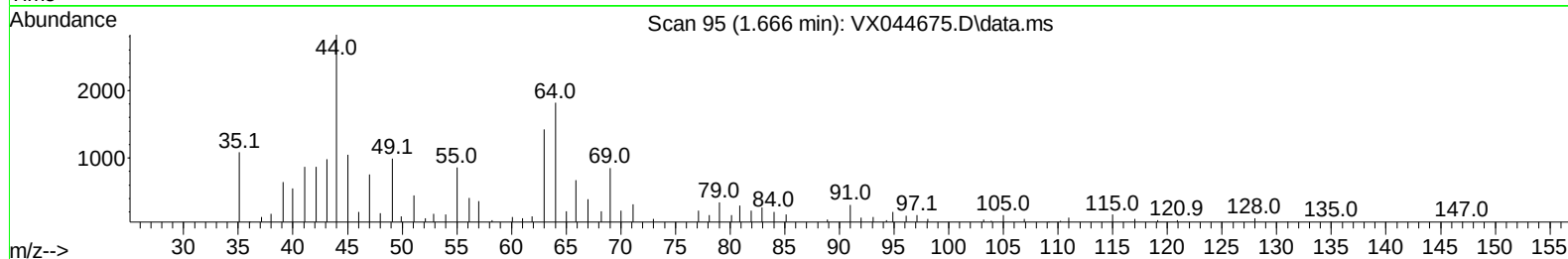
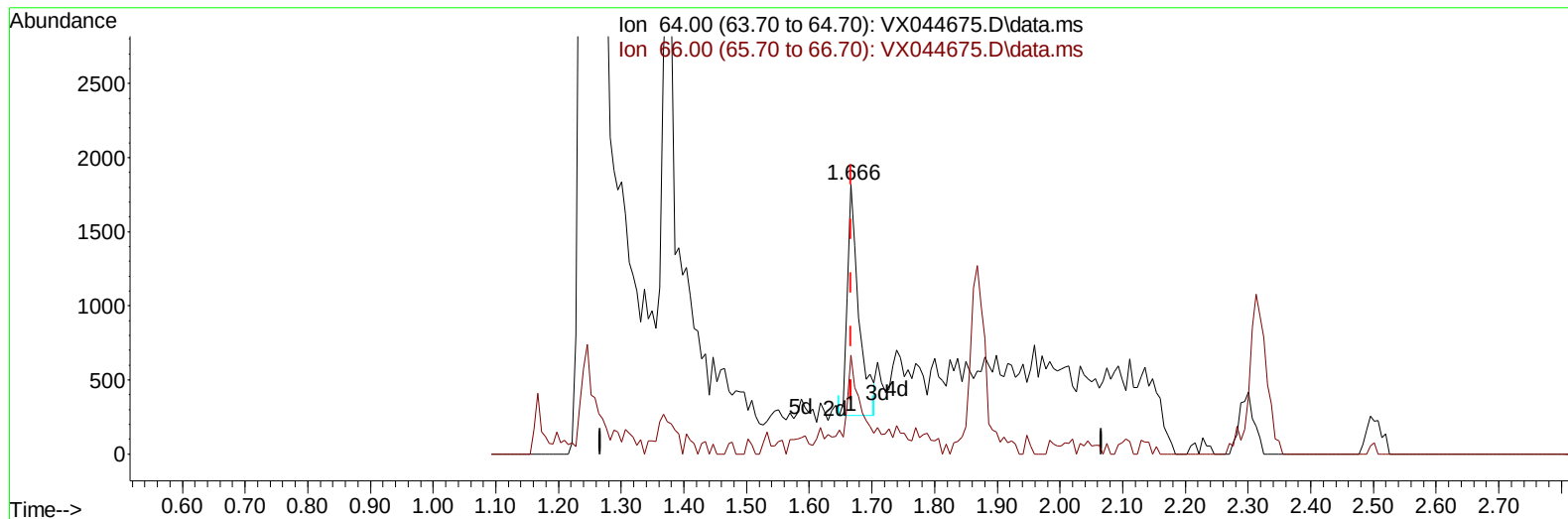
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012125\
Data File : VX044675.D
Acq On : 21 Jan 2025 10:53
Operator : JC/MD
Sample : VSTD00555
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005655

Manual IntegrationsAPPROVED

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TIC: VX044675.D\data.ms

(8) Chloroethane (T)

1.666min (+ 0.000) 3.73 ug/L

response 1986

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.60	36.78
0.00	0.00	0.00
0.00	0.00	0.00

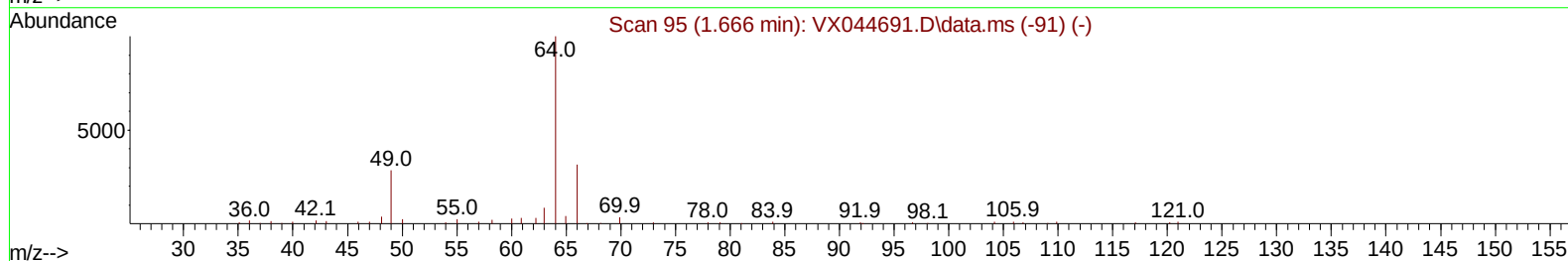
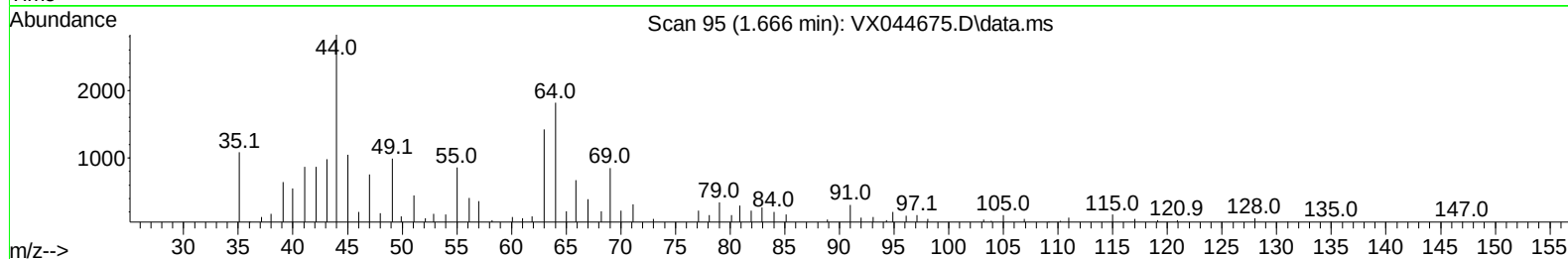
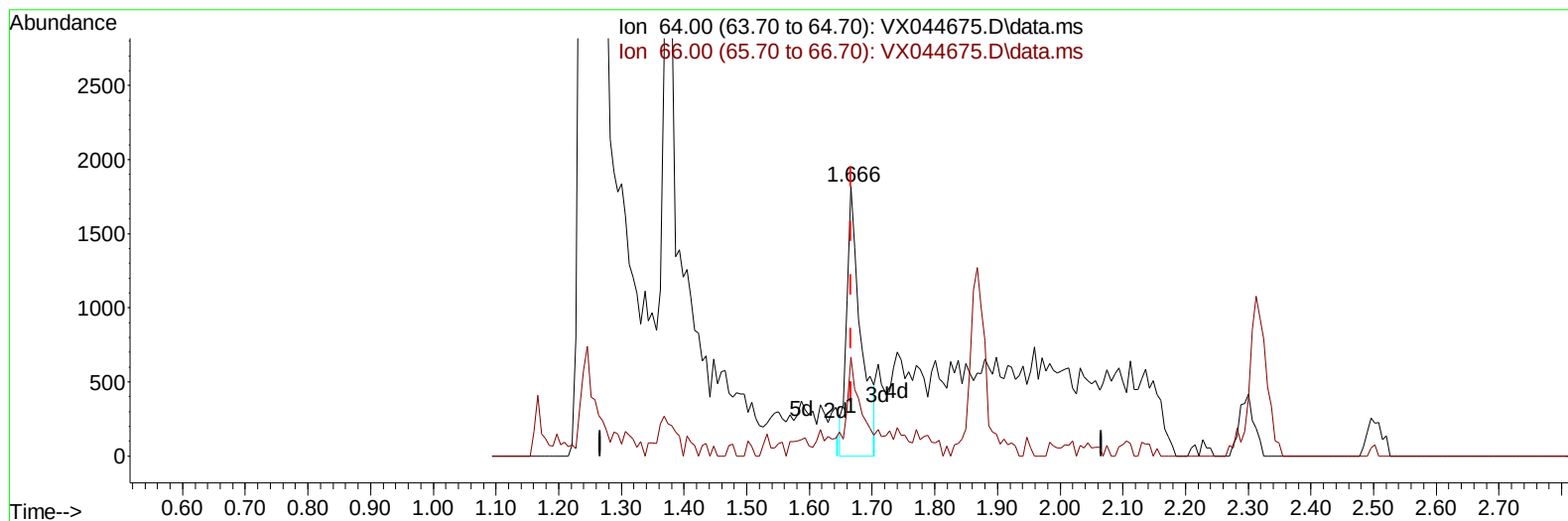
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012125\
Data File : VX044675.D
Acq On : 21 Jan 2025 10:53
Operator : JC/MD
Sample : VSTD00555
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005655

Manual IntegrationsAPPROVED

Quant Time: Jan 22 00:58:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
Quant Title : VOC Analysis
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Reviewed By :Mahesh Dadoda 01/22/2025
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TIC: VX044675.D\data.ms

(8) Chloroethane (T)

1.666min (+ 0.000) 5.99 ug/L m

response 2845

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.60	36.78
0.00	0.00	0.00
0.00	0.00	0.00

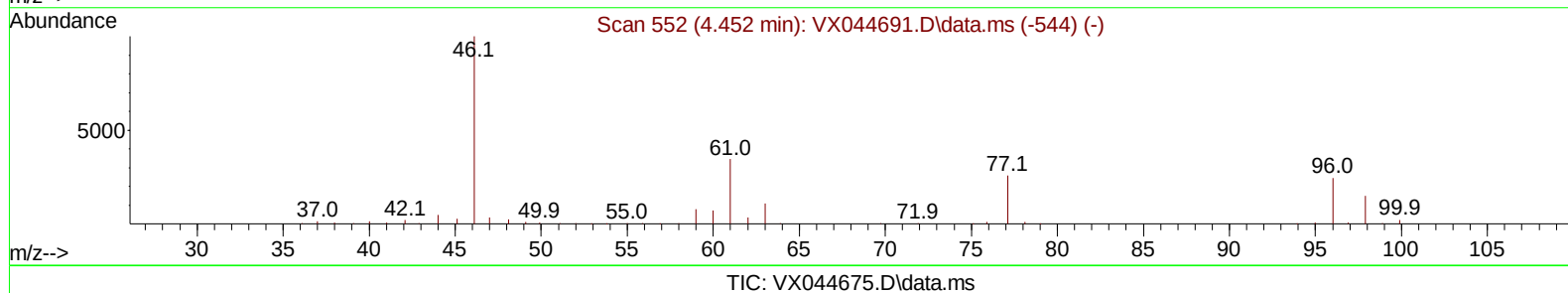
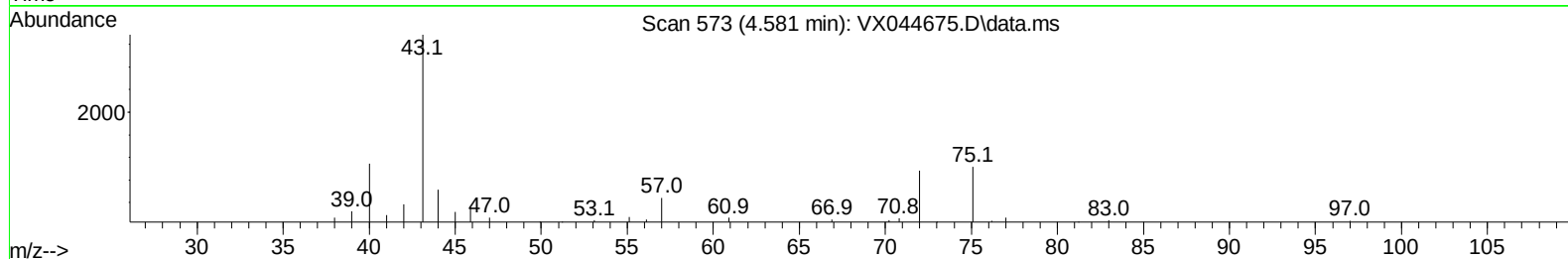
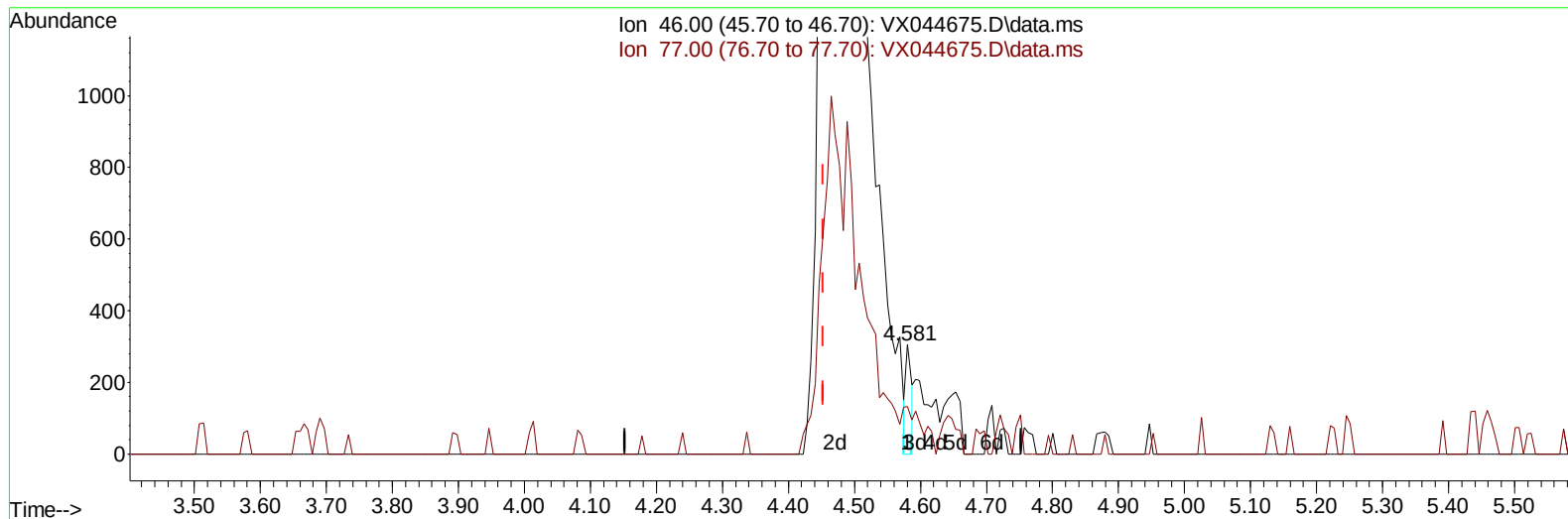
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012125\
Data File : VX044675.D
Acq On : 21 Jan 2025 10:53
Operator : JC/MD
Sample : VSTD00555
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005655

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 01/22/2025
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Quant Time: Jan 23 05:22:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
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QLast Update : Thu Jan 23 00:51:10 2025
Response via : Initial Calibration

**(21) 2-Butanone-d5 (S)**

4.581min (+ 0.128) 0.12 ug/L

response 182

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	25.50	22.53
0.00	0.00	0.00
0.00	0.00	0.00

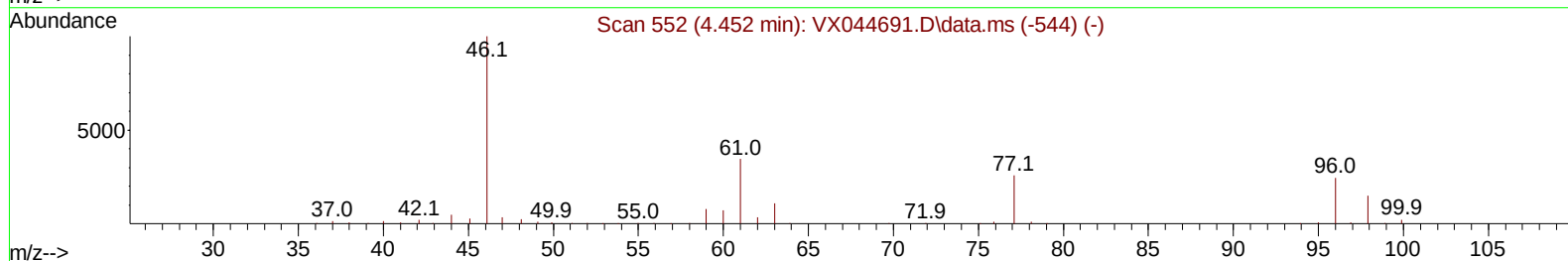
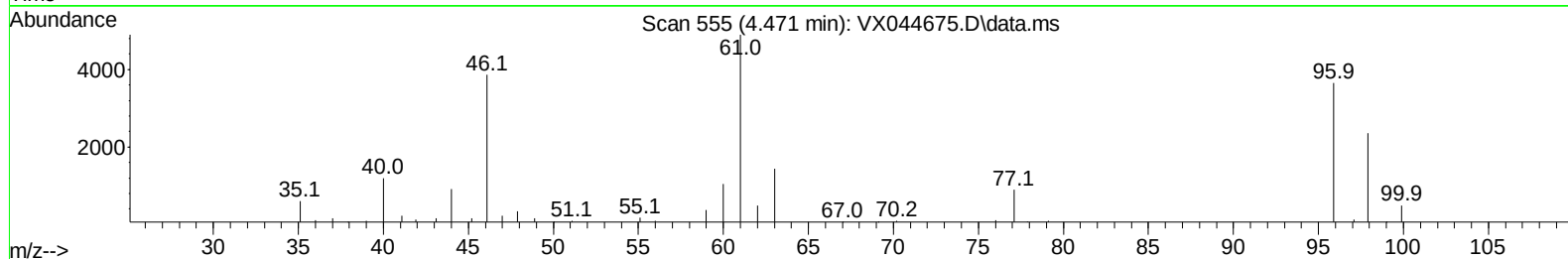
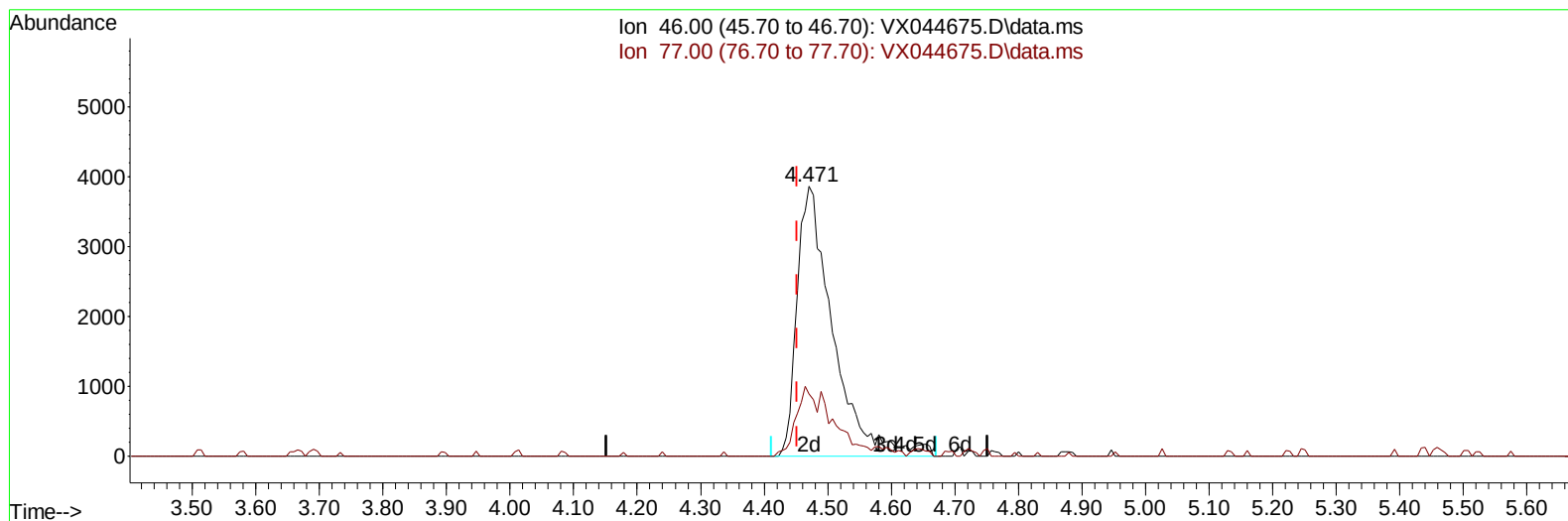
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Data File : VX044675.D
Acq On : 21 Jan 2025 10:53
Operator : JC/MD
Sample : VSTD00555
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005655

Manual IntegrationsAPPROVED

Quant Time: Jan 22 00:58:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jan 22 00:56:43 2025
Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 01/22/2025
Supervised By :Semsettin Yesilyurt 01/22/2025



TIC: VX044675.D\data.ms

(21) 2-Butanone-d5 (S)

4.471min (+ 0.019) 9.65 ug/L m

response 15129

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	25.50	0.27#
0.00	0.00	0.00
0.00	0.00	0.00

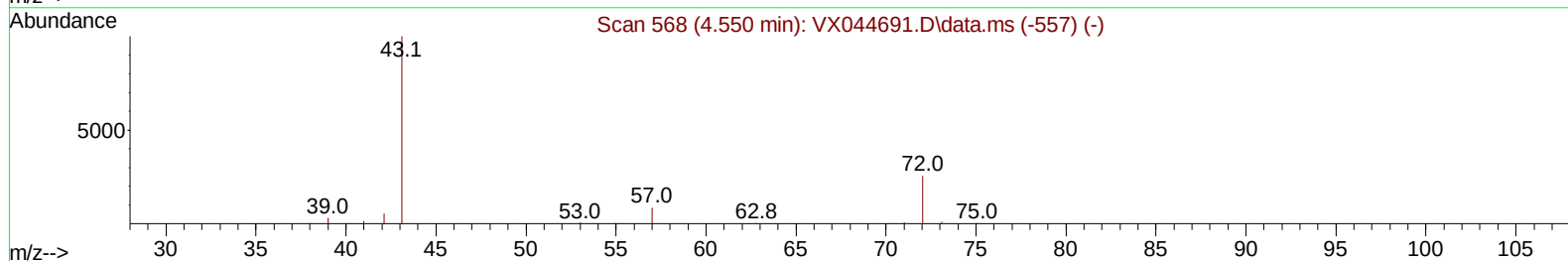
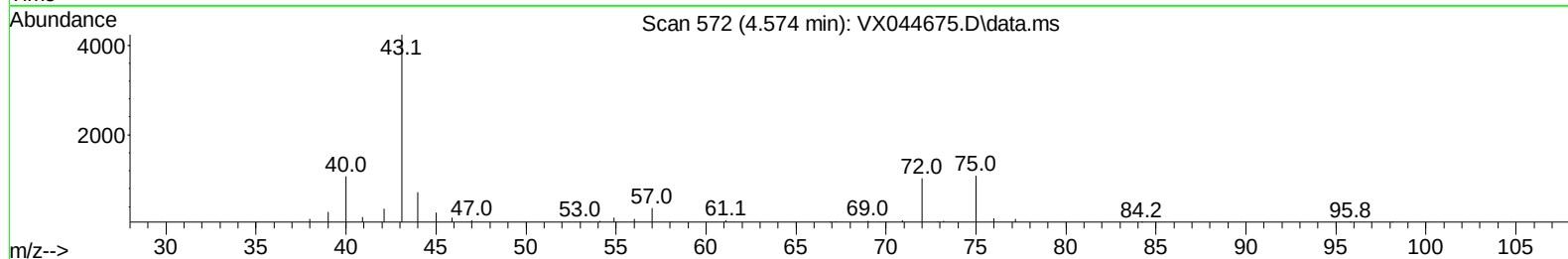
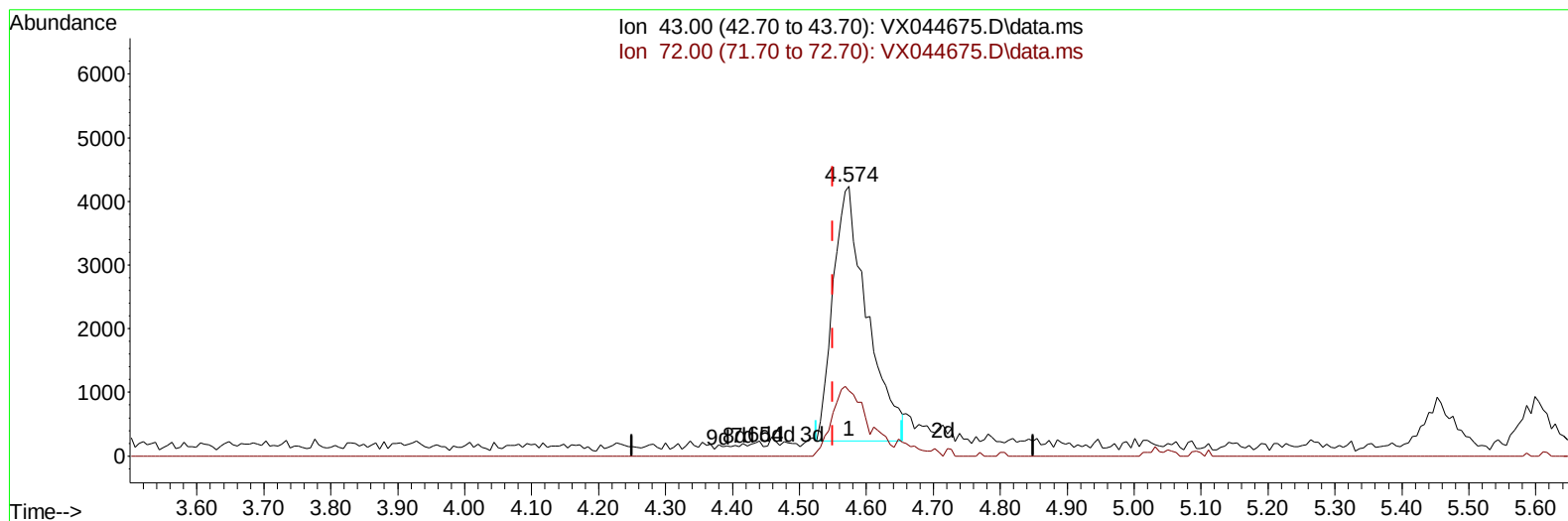
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Data File : VX044675.D
Acq On : 21 Jan 2025 10:53
Operator : JC/MD
Sample : VSTD00555
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005655

Manual IntegrationsAPPROVED

Quant Time: Jan 23 05:22:44 2025
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Quant Title : VOC Analysis
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Reviewed By :Mahesh Dadoda 01/22/2025
Supervised By :Semsettin Yesilyurt 01/22/2025



TIC: VX044675.D\data.ms

(22) 2-Butanone (T)

4.574min (+ 0.024) 9.51 ug/L

response 14112

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.80	23.87
0.00	0.00	0.00
0.00	0.00	0.00

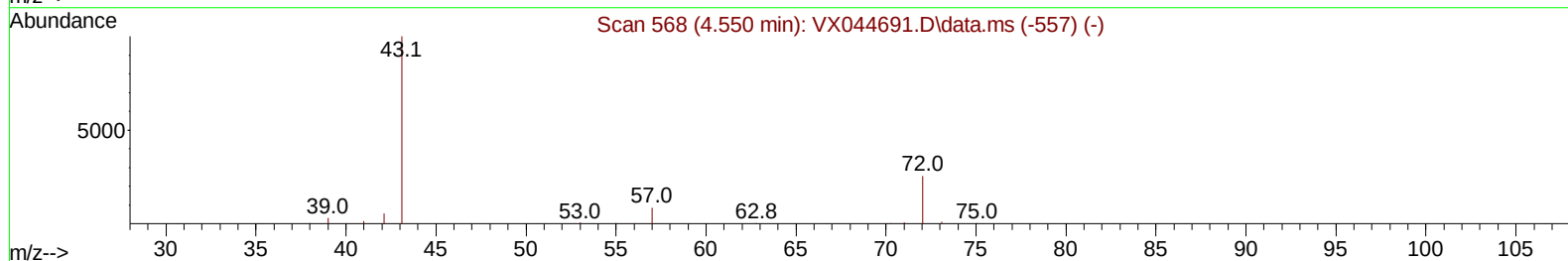
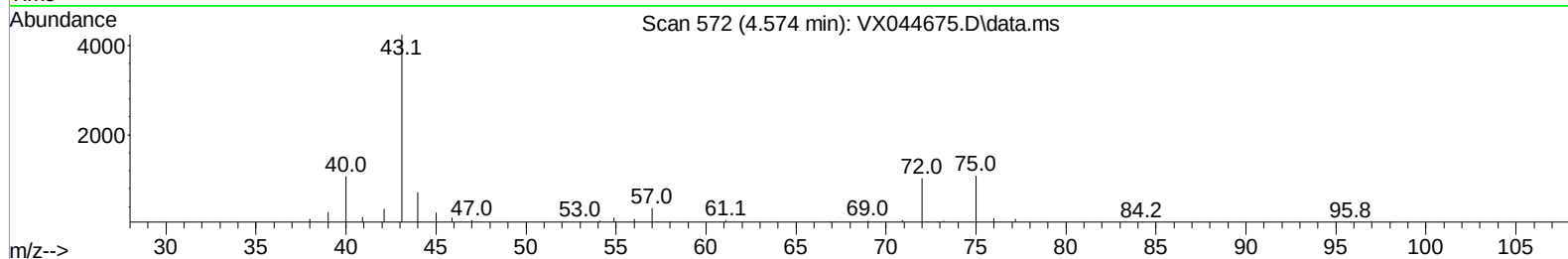
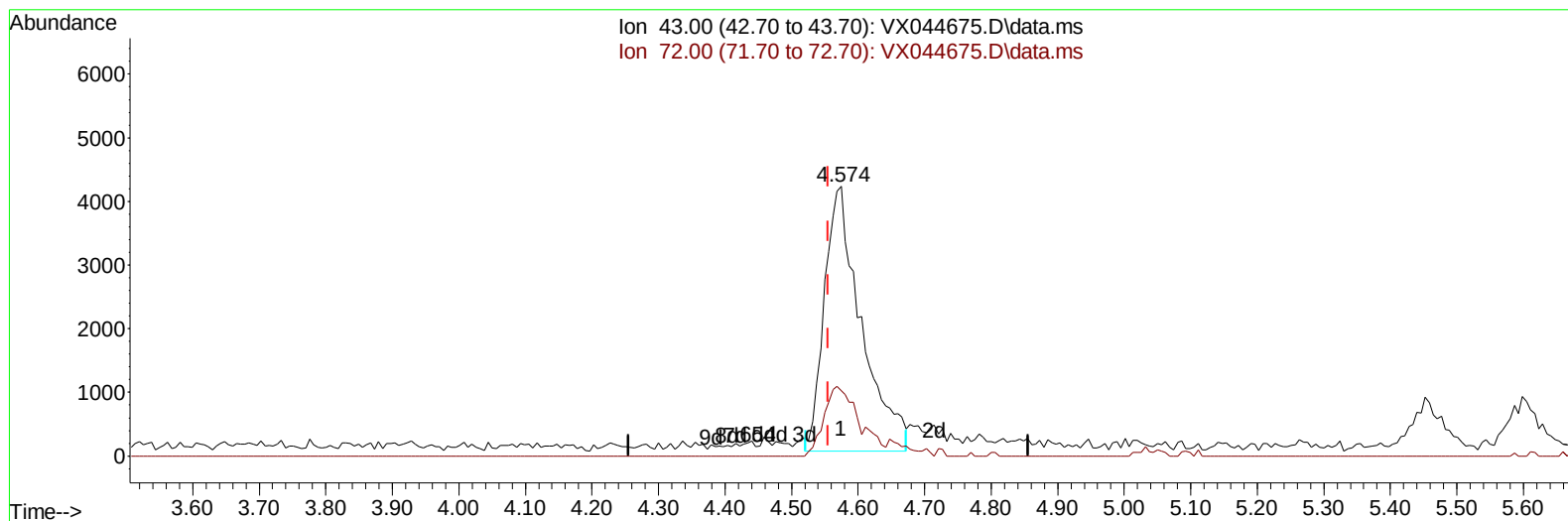
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Data File : VX044675.D
Acq On : 21 Jan 2025 10:53
Operator : JC/MD
Sample : VSTD00555
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD005655

Manual IntegrationsAPPROVED

Quant Time: Jan 22 00:58:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
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Supervised By :Semsettin Yesilyurt 01/22/2025



TIC: VX044675.D\data.ms

(22) 2-Butanone (T)

4.574min (+ 0.019) 11.01 ug/L m

response 15932

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.80	21.15
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012125\
 Data File : VX044675.D
 Acq On : 21 Jan 2025 10:53
 Operator : JC/MD
 Sample : VSTD00555
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005655

Manual IntegrationsAPPROVED

Quant Time: Jan 22 00:58:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM012125WMA.M
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 QLast Update : Wed Jan 22 00:56:43 2025
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Reviewed By :Mahesh Dadoda 01/22/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	365750	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	315559	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	126430	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	14533m	4.797	ug/L	0.00
7) Chloroethane-d5	1.648	69	4164m	4.815	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.300	65	5070	4.254	ug/L	0.00
21) 2-Butanone-d5	4.471	46	15129m	9.652	ug/L	0.02
24) Chloroform-d	5.044	84	23012	4.411	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.946	65	17792	5.171	ug/L	0.00
32) Benzene-d6	5.958	84	47118	4.474	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.300	67	14529	4.365	ug/L	0.00
41) Toluene-d8	8.647	98	43434	4.613	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	7302	4.280	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	8427	8.812	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	19379	4.830	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	12669	4.663	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	11305	5.342	ug/L	92
3) Chloromethane	1.295	50	12854	4.968	ug/L	91
5) Vinyl chloride	1.374	62	13021	5.022	ug/L	84
6) Bromomethane	1.599	94	3228	5.291	ug/L	93
8) Chloroethane	1.666	64	2845m	5.988	ug/L	
9) Trichlorofluoromethane	1.868	101	13069	5.571	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	9683	4.922	ug/L	98
12) 1,1-Dichloroethene	2.307	96	8482	4.634	ug/L #	74
13) Acetone	2.386	43	11784	12.431	ug/L	99
14) Carbon disulfide	2.502	76	27955	4.867	ug/L	97
15) Methyl Acetate	2.703	43	11587	5.100	ug/L	99
16) Methylene chloride	2.782	84	11204	4.948	ug/L	95
17) trans-1,2-Dichloroethene	3.081	96	10313	5.031	ug/L	96
18) Methyl tert-butyl Ether	3.111	73	36371	4.930	ug/L	98
19) 1,1-Dichloroethane	3.599	63	19564	4.824	ug/L	97
20) cis-1,2-Dichloroethene	4.477	96	12193	4.925	ug/L	98
22) 2-Butanone	4.574	43	15932m	11.011	ug/L	
23) Bromochloromethane	4.885	128	5859	4.829	ug/L	95
25) Chloroform	5.087	83	20428	4.915	ug/L	98
27) 1,2-Dichloroethane	6.080	62	15518	4.838	ug/L	99
29) Cyclohexane	5.458	56	19029	5.035	ug/L	98
30) 1,1,1-Trichloroethane	5.367	97	17644	4.932	ug/L #	52
31) Carbon tetrachloride	5.666	117	15462	5.031	ug/L	98
33) Benzene	6.025	78	41735	4.709	ug/L	100
34) Trichloroethene	7.117	95	11247	4.875	ug/L	93
35) Methylcyclohexane	7.367	83	17833	4.697	ug/L	93
37) 1,2-Dichloropropane	7.422	63	11960	4.993	ug/L	100
38) Bromodichloromethane	7.818	83	15545	4.792	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	19883	4.827	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	27752	9.660	ug/L	97
42) Toluene	8.714	91	44816	4.881	ug/L	96

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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD005655

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 01/22/2025
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 Quant Title : VOC Analysis
 QLast Update : Wed Jan 22 00:56:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.976	75	17442	4.680	ug/L	90
45) 1,1,2-Trichloroethane	9.147	97	11754	5.040	ug/L	99
46) Tetrachloroethene	9.269	164	7774	4.919	ug/L	93
48) 2-Hexanone	9.433	43	21643	10.237	ug/L	98
49) Dibromochloromethane	9.519	129	11744	4.863	ug/L	98
50) 1,2-Dibromoethane	9.610	107	11563	4.866	ug/L #	96
51) Chlorobenzene	10.073	112	27995	4.941	ug/L	97
52) Ethylbenzene	10.189	91	48263	4.875	ug/L	97
53) m,p-Xylene	10.299	106	17989	4.857	ug/L	92
54) o-Xylene	10.640	106	18580	5.054	ug/L	99
55) Styrene	10.653	104	28415	4.773	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.207	83	17576	5.190	ug/L	96
59) Bromoform	10.799	173	8271	5.172	ug/L	97
60) Isopropylbenzene	10.957	105	46509	5.175	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	13582	5.473	ug/L	96
62) 1,3,5-Trimethylbenzene	11.445	105	37798	5.066	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	36981	5.095	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	17809	4.936	ug/L	96
65) 1,4-Dichlorobenzene	12.037	146	18579	5.133	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	18013	4.978	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.939	75	3729	5.227	ug/L	91
69) 1,3,5-Trichlorobenzene	13.110	180	11961	5.089	ug/L	94
70) 1,2,4-trichlorobenzene	13.585	180	10036	4.742	ug/L	98
71) Naphthalene	13.774	128	38033	4.691	ug/L	98
72) 1,2,3-Trichlorobenzene	13.957	180	10551	4.854	ug/L	99

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

Instrument :
MSVOA_X
ClientSampleId :
VSTD005655

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