

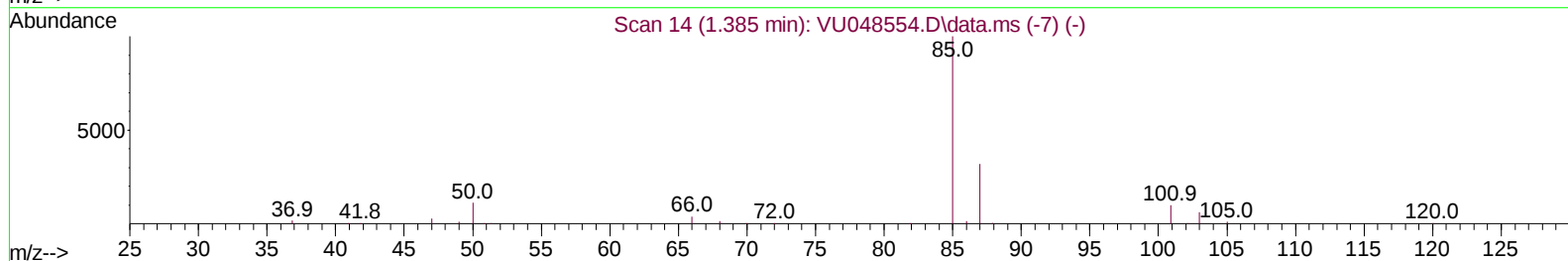
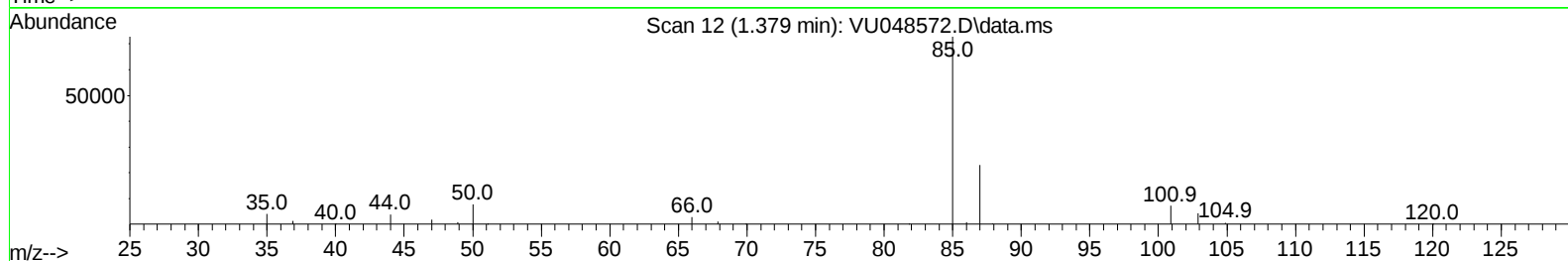
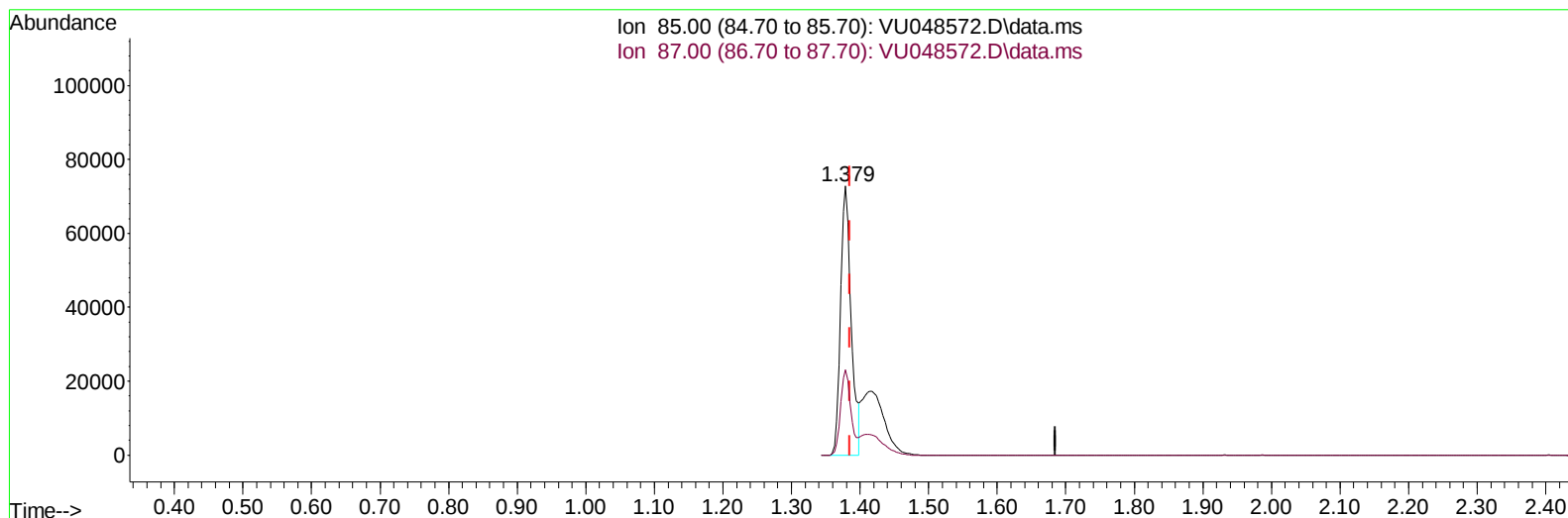
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Data File : VU048572.D
Acq On : 13 May 2022 19:13
Operator : SY/MD
Sample : N2766-02MEMS
Misc : 7.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

Quant Time: May 14 04:19:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
Quant Title : VOC Analysis
QLast Update : Sat May 14 04:14:40 2022
Response via : Initial Calibration



TIC: VU048572.D\data.ms

(2) Dichlorodifluoromethane (T)

1.379min (-0.006) 30.48 ug/L

response 77911

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.80	31.99
0.00	0.00	0.00
0.00	0.00	0.00

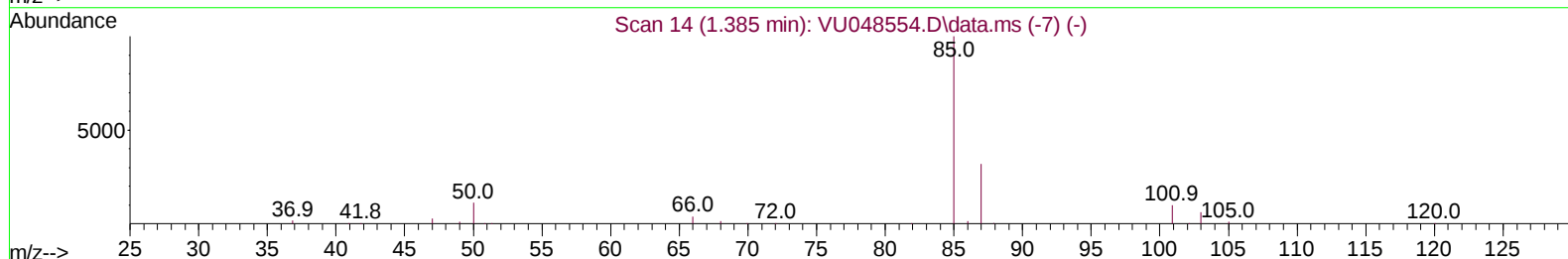
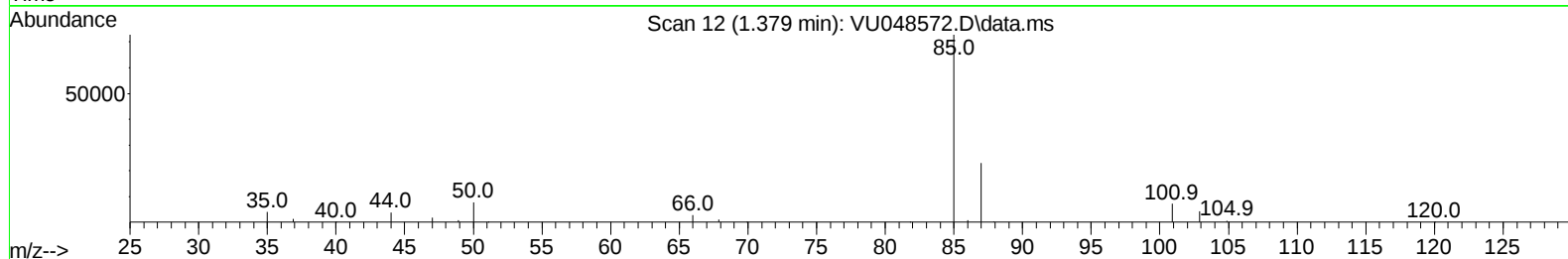
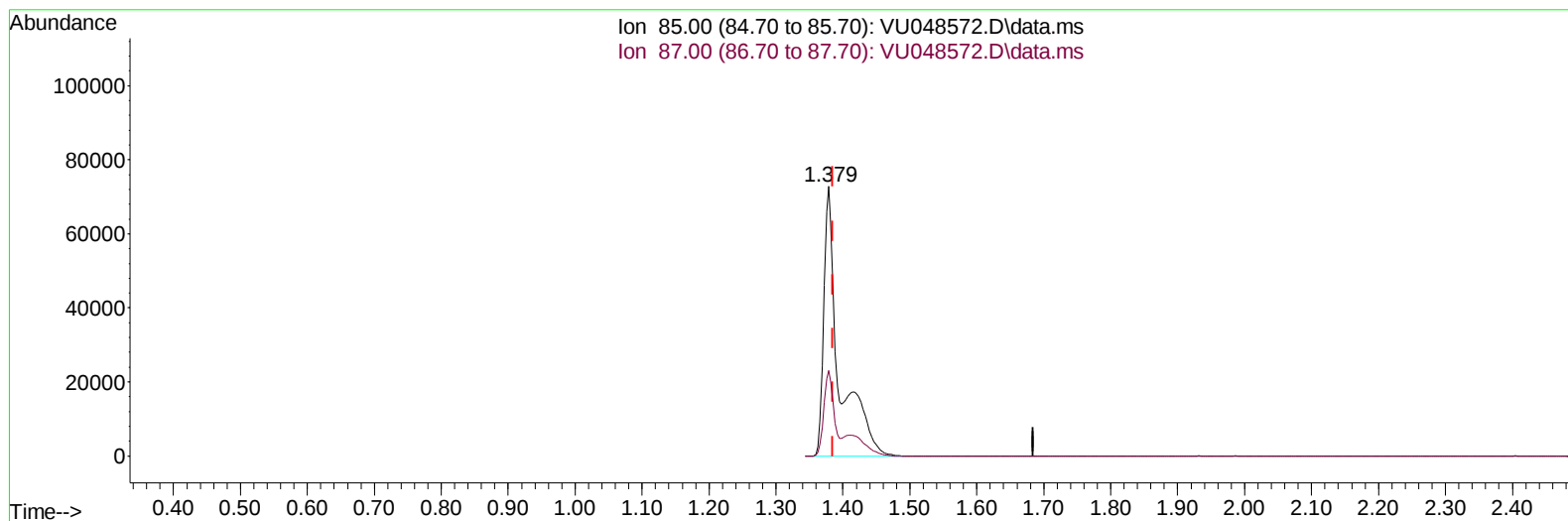
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 Data File : VU048572.D
 Acq On : 13 May 2022 19:13
 Operator : SY/MD
 Sample : N2766-02MEMS
 Misc : 7.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4F3MEMS

Manual IntegrationsAPPROVED

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TIC: VU048572.D\data.ms

(2) Dichlorodifluoromethane (T)

1.379min (-0.006) 45.87 ug/L m

response 117245

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.80	21.26#
0.00	0.00	0.00
0.00	0.00	0.00

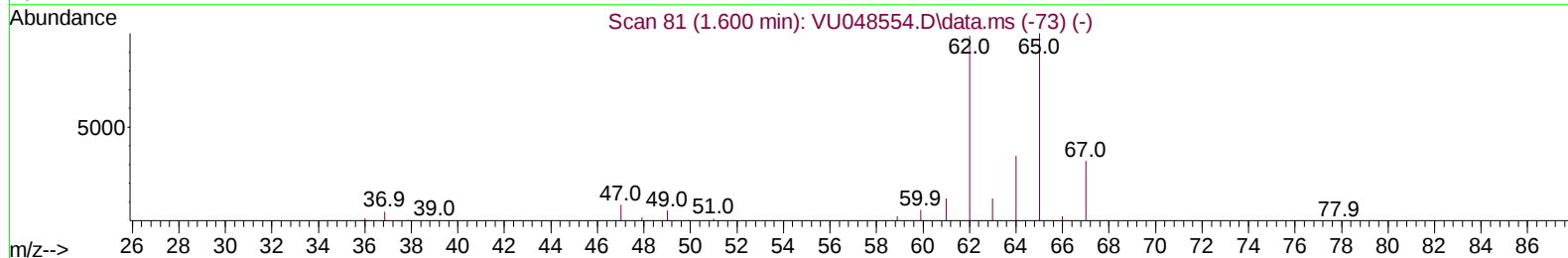
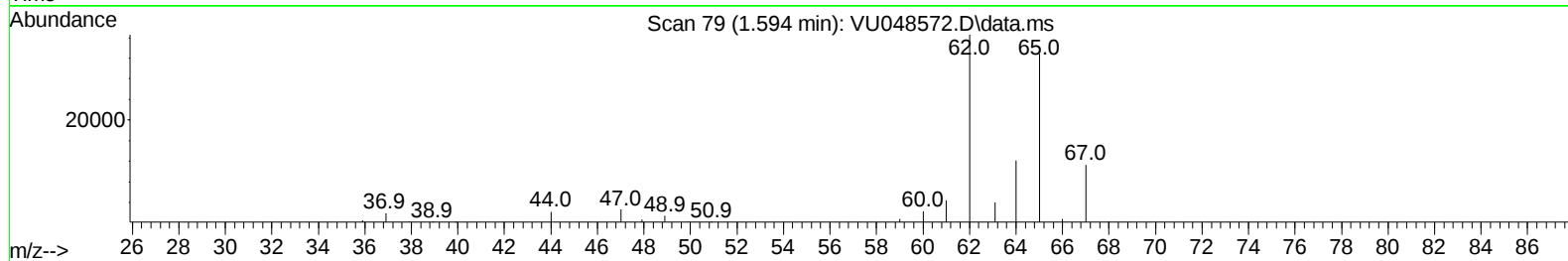
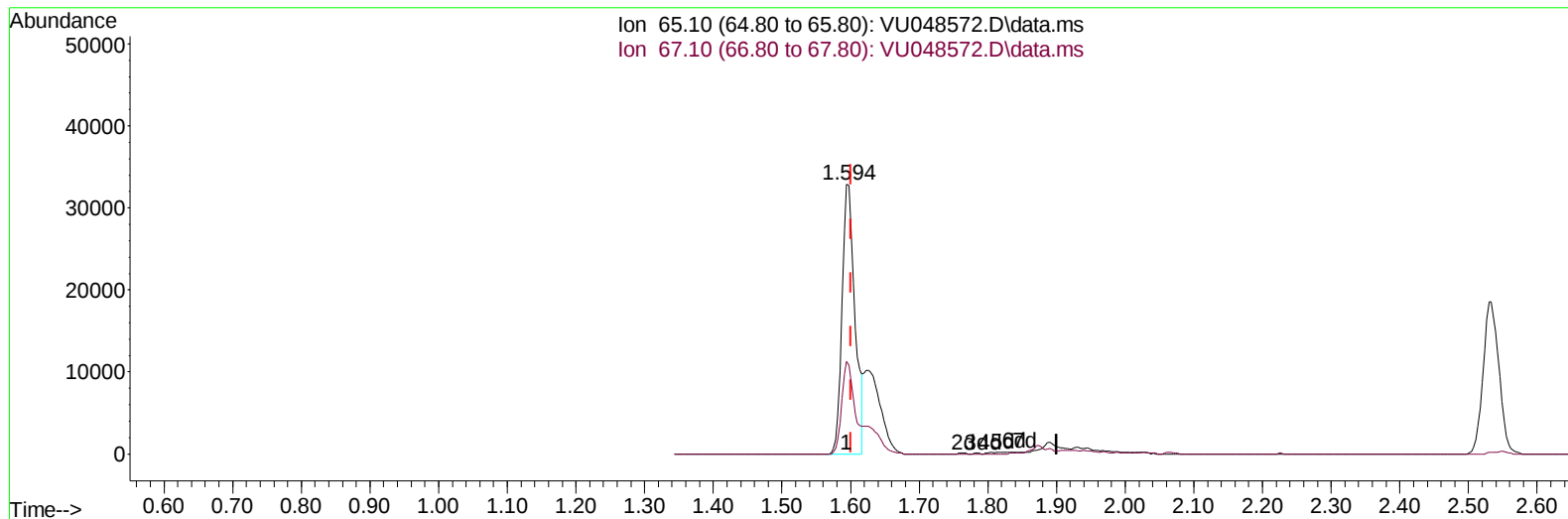
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 Data File : VU048572.D
 Acq On : 13 May 2022 19:13
 Operator : SY/MD
 Sample : N2766-02MEMS
 Misc : 7.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4F3MEMS

Manual IntegrationsAPPROVED

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
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TIC: VU048572.D\data.ms

(4) Vinyl Chloride-d3 (S)

1.594min (-0.006) 17.75 ug/L

response 43198

Ion	Exp%	Act%
65.10	100.00	100.00
67.10	31.50	33.97
0.00	0.00	0.00
0.00	0.00	0.00

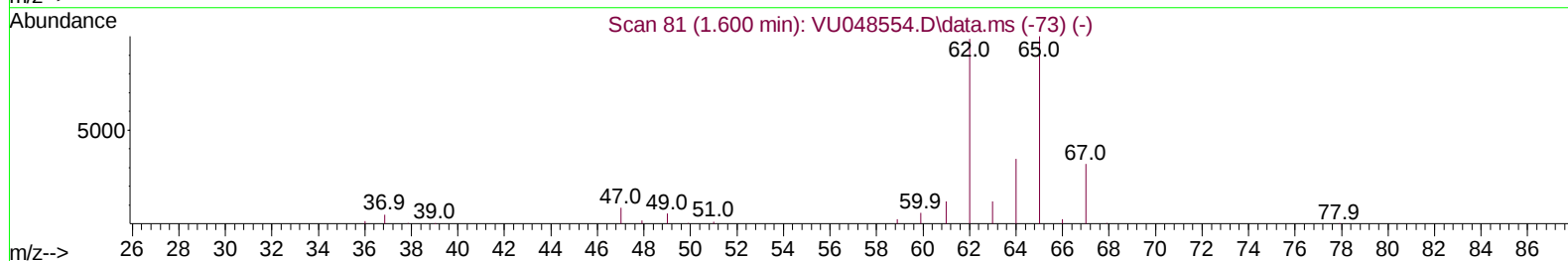
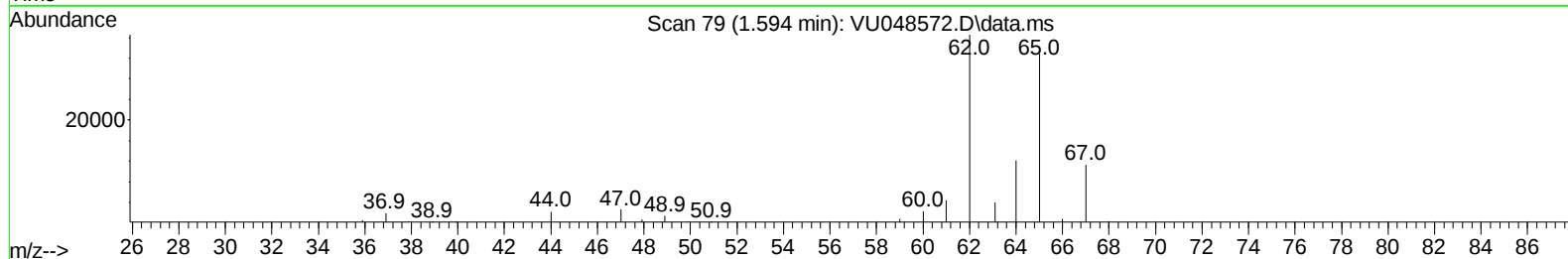
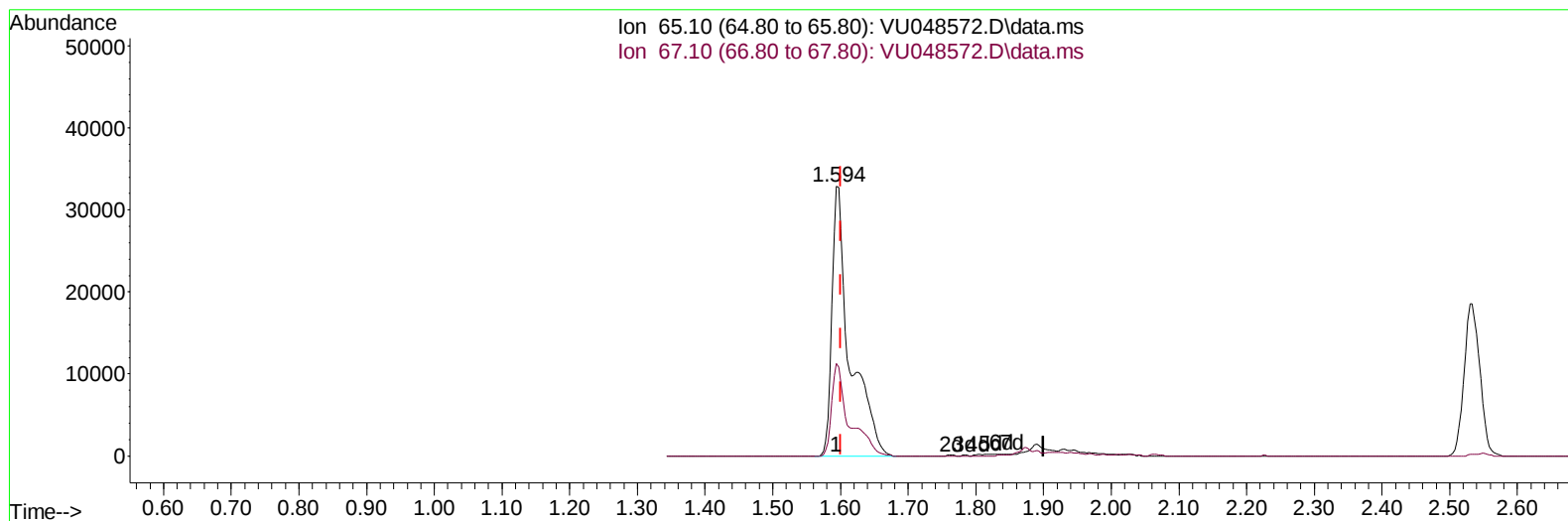
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051322\
 Data File : VU048572.D
 Acq On : 13 May 2022 19:13
 Operator : SY/MD
 Sample : N2766-02MEMS
 Misc : 7.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4F3MEMS

Manual IntegrationsAPPROVED

Quant Time: May 14 04:19:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 14 04:14:40 2022
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Reviewed By :John Carlone 05/18/2022
 Supervised By :Mahesh Dadoda 05/18/2022



TIC: VU048572.D\data.ms

(4) Vinyl Chloride-d3 (S)

1.594min (-0.006) 24.86 ug/L m

response 60492

Ion	Exp%	Act%
65.10	100.00	100.00
67.10	31.50	24.26
0.00	0.00	0.00
0.00	0.00	0.00

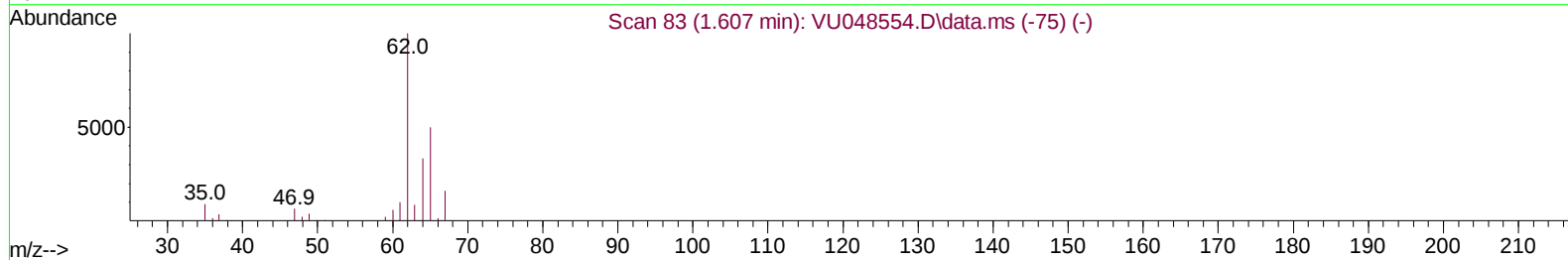
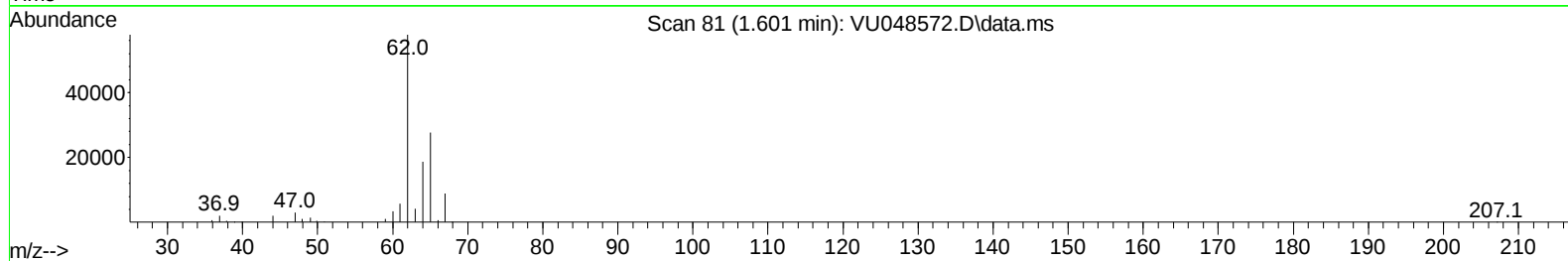
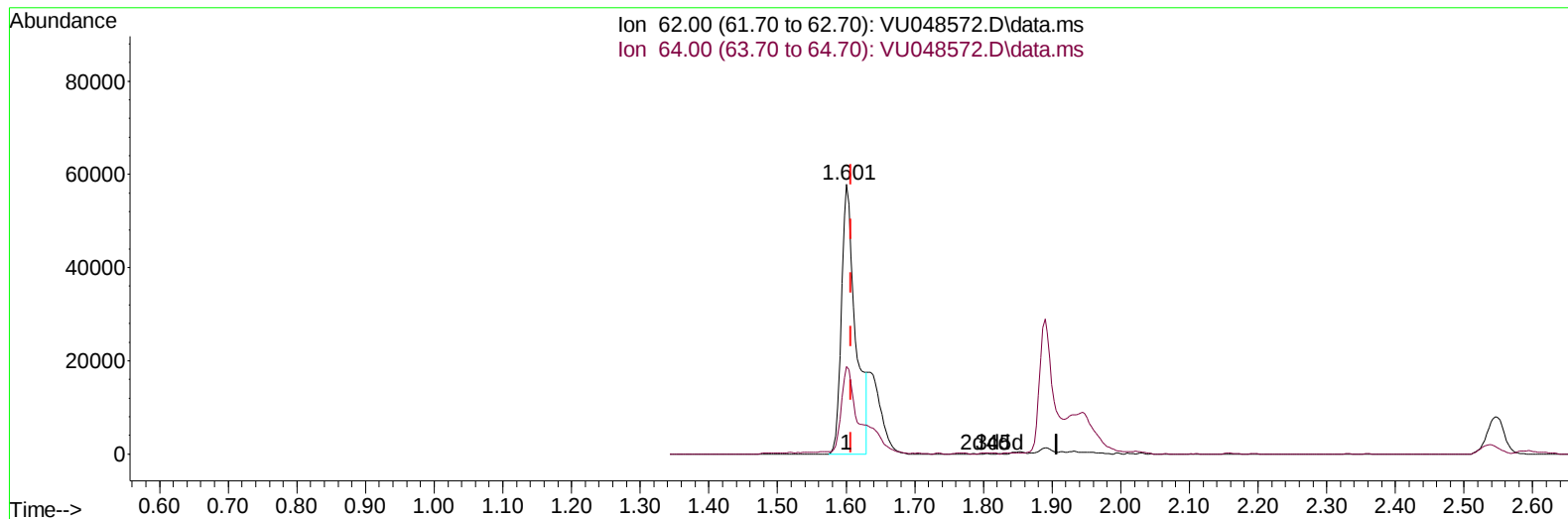
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Data File : VU048572.D
Acq On : 13 May 2022 19:13
Operator : SY/MD
Sample : N2766-02MEMS
Misc : 7.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

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Quant Title : VOC Analysis
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Response via : Initial Calibration



TIC: VU048572.D\data.ms

(5) Vinyl chloride (T)

1.601min (-0.006) 29.55 ug/L

response 82081

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.10	32.43
0.00	0.00	0.00
0.00	0.00	0.00

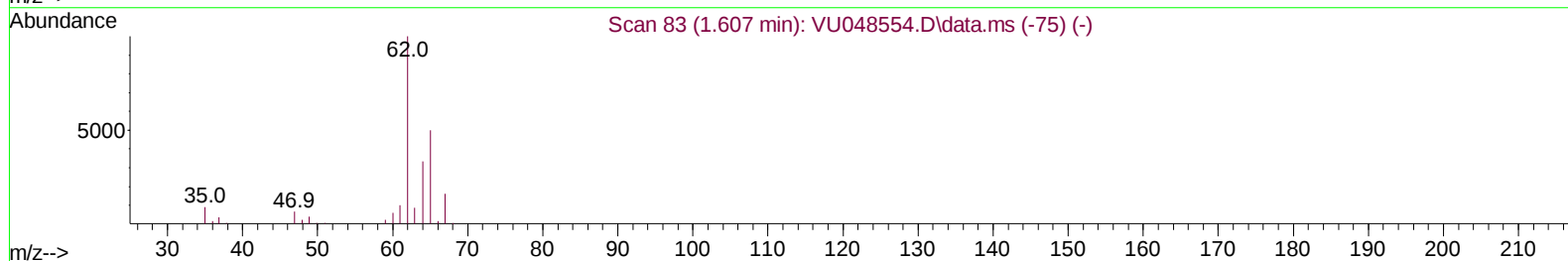
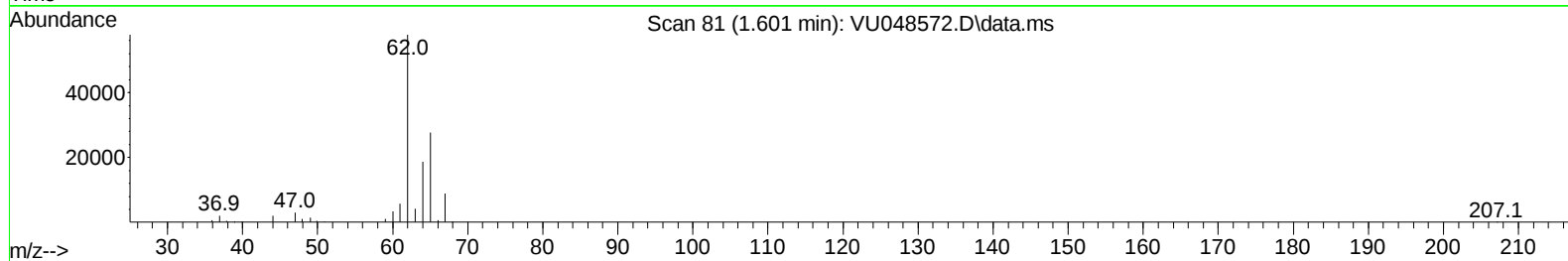
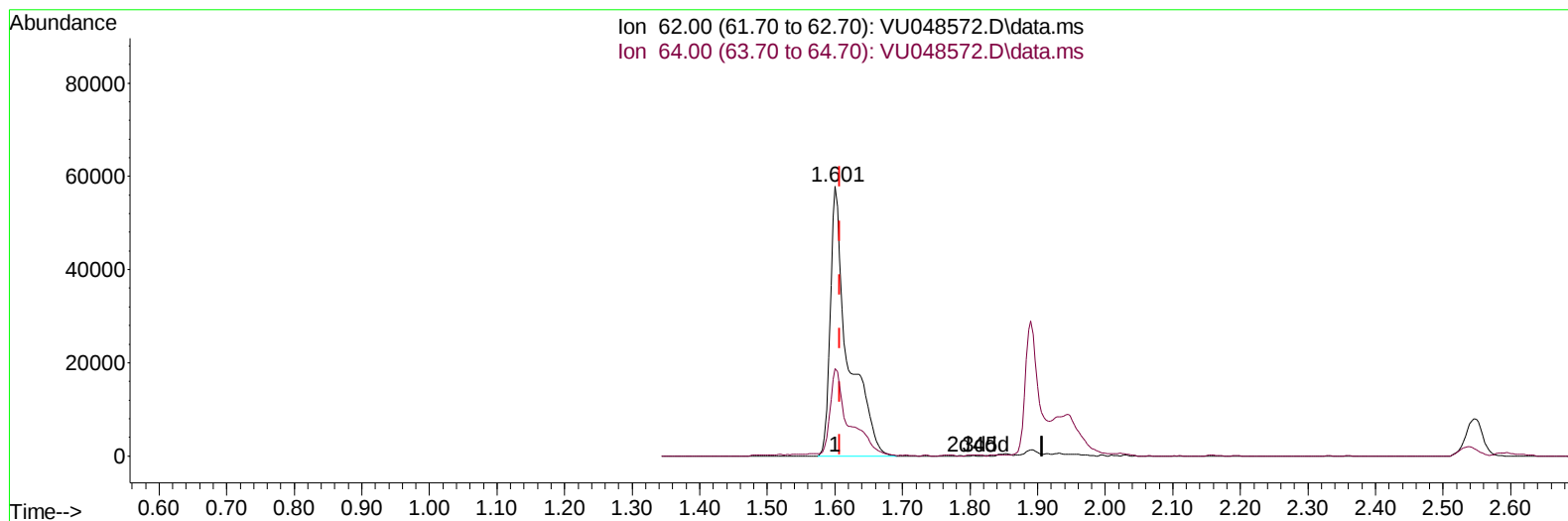
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 Data File : VU048572.D
 Acq On : 13 May 2022 19:13
 Operator : SY/MD
 Sample : N2766-02MEMS
 Misc : 7.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4F3MEMS

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 05/18/2022
 Supervised By :Mahesh Dadoda 05/18/2022

Quant Time: May 14 04:19:12 2022
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TIC: VU048572.D\data.ms

(5) Vinyl chloride (T)

1.601min (-0.006) 37.87 ug/L m

response 105187

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.10	32.43
0.00	0.00	0.00
0.00	0.00	0.00

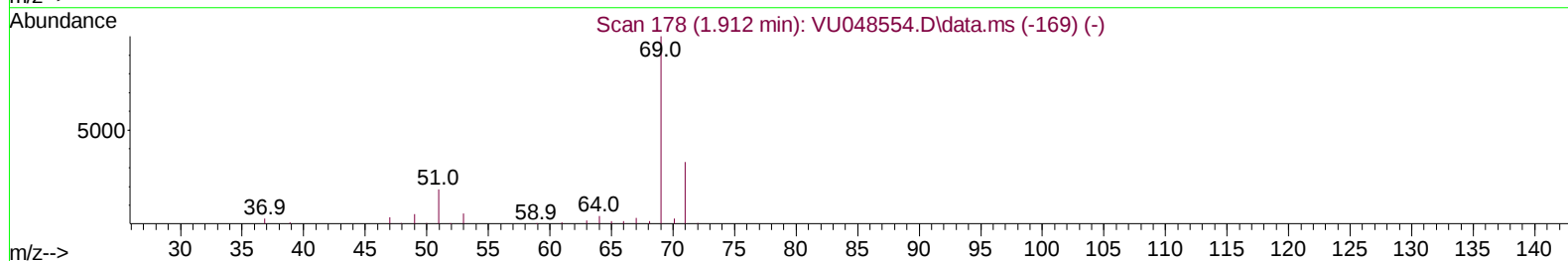
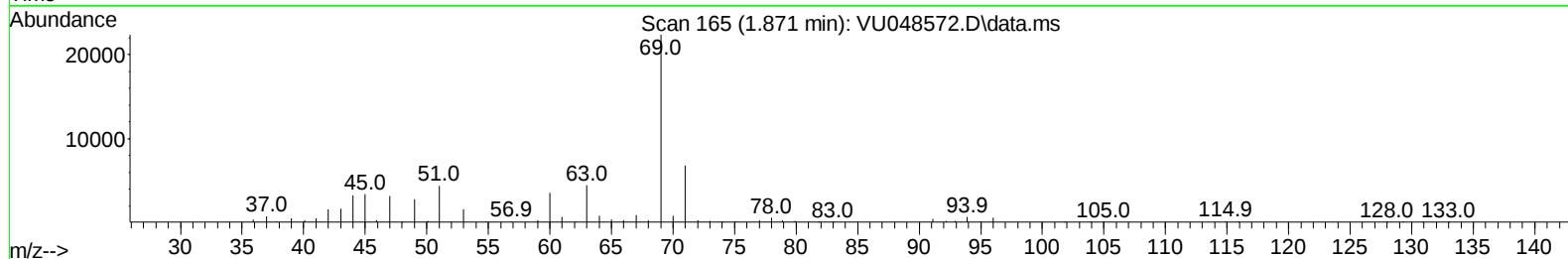
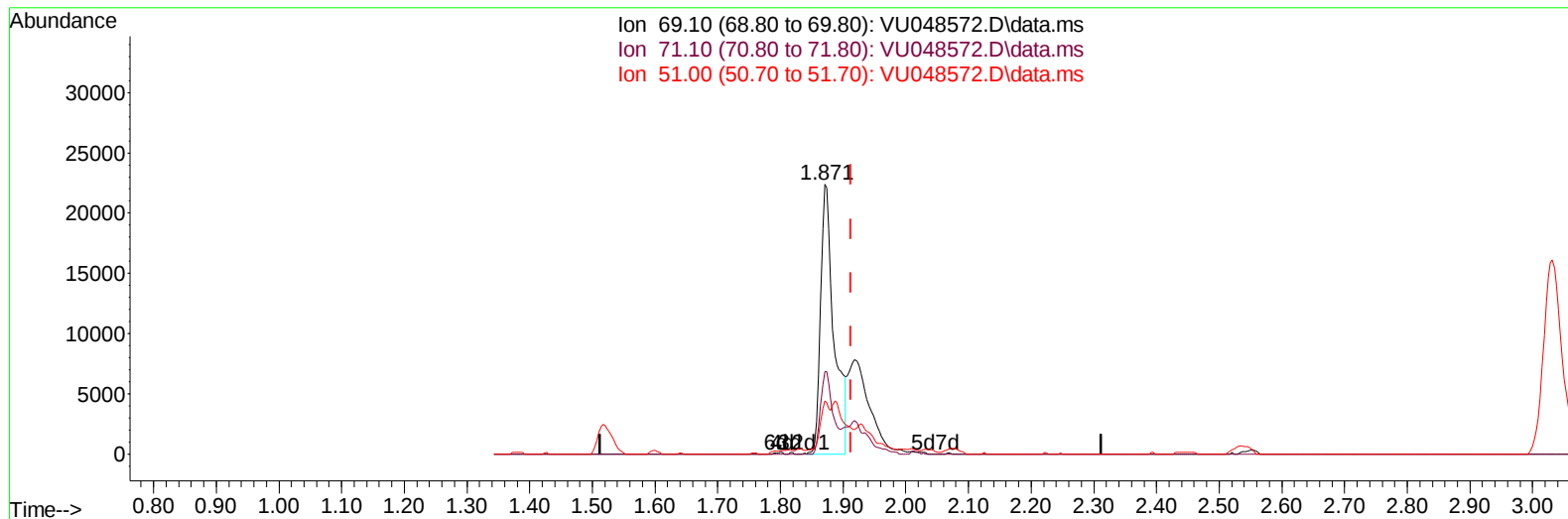
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 Acq On : 13 May 2022 19:13
 Operator : SY/MD
 Sample : N2766-02MEMS
 Misc : 7.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4F3MEMS

Manual IntegrationsAPPROVED

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Reviewed By :John Carlone 05/18/2022
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TIC: VU048572.D\data.ms

(7) Chloroethane-d5 (S)

1.871min (-0.042) 20.90 ug/L

response 33201

Ion	Exp%	Act%
69.10	100.00	100.00
71.10	30.60	29.03
51.00	27.00	12.93#
0.00	0.00	0.00

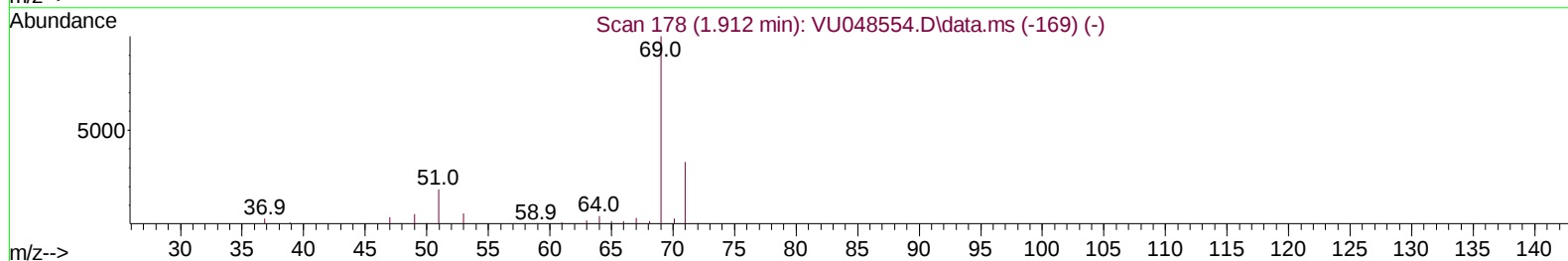
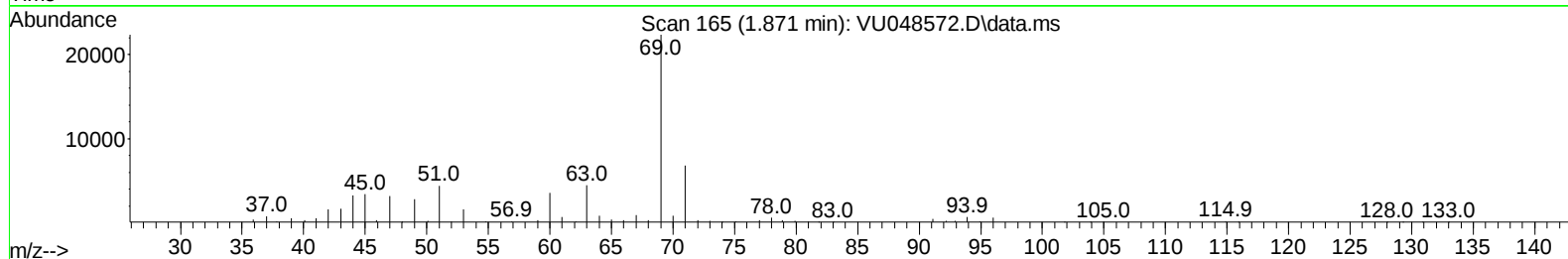
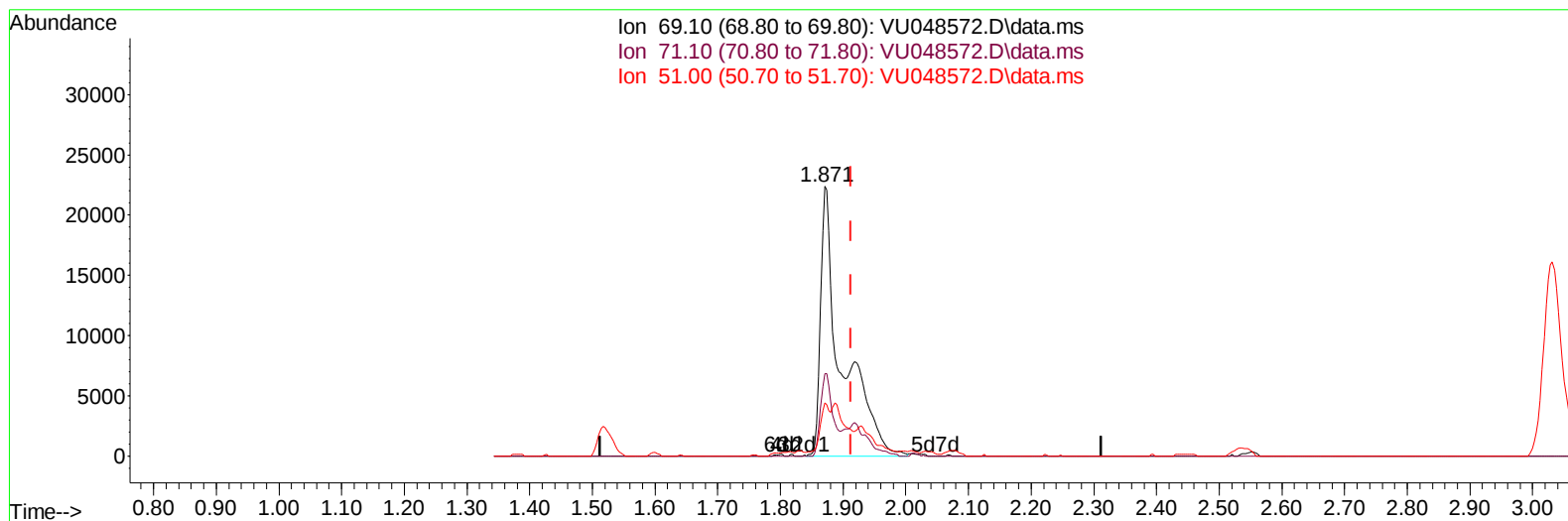
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051322\
 Data File : VU048572.D
 Acq On : 13 May 2022 19:13
 Operator : SY/MD
 Sample : N2766-02MEMS
 Misc : 7.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4F3MEMS

Manual IntegrationsAPPROVED

Quant Time: May 14 04:19:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 14 04:14:40 2022
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Reviewed By :John Carlone 05/18/2022
 Supervised By :Mahesh Dadoda 05/18/2022



TIC: VU048572.D\data.ms

(7) Chloroethane-d5 (S)

1.871min (-0.042) 32.91 ug/L m

response 52265

Ion	Exp%	Act%
69.10	100.00	100.00
71.10	30.60	18.44#
51.00	27.00	8.21#
0.00	0.00	0.00

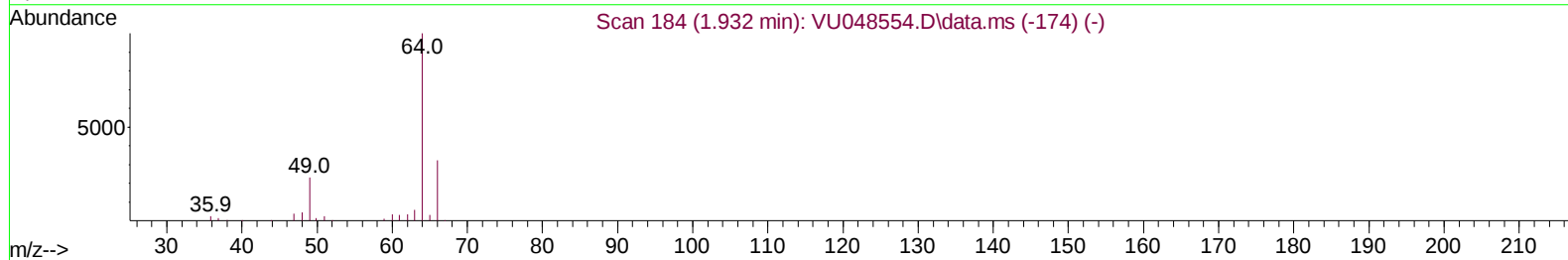
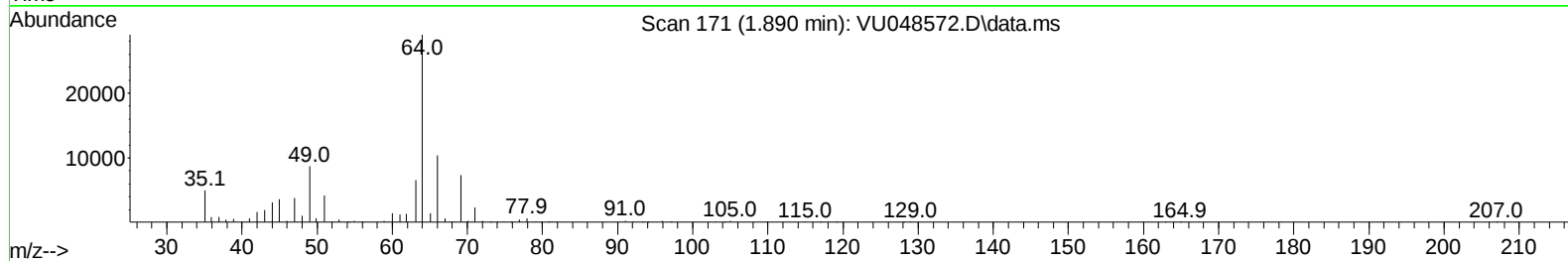
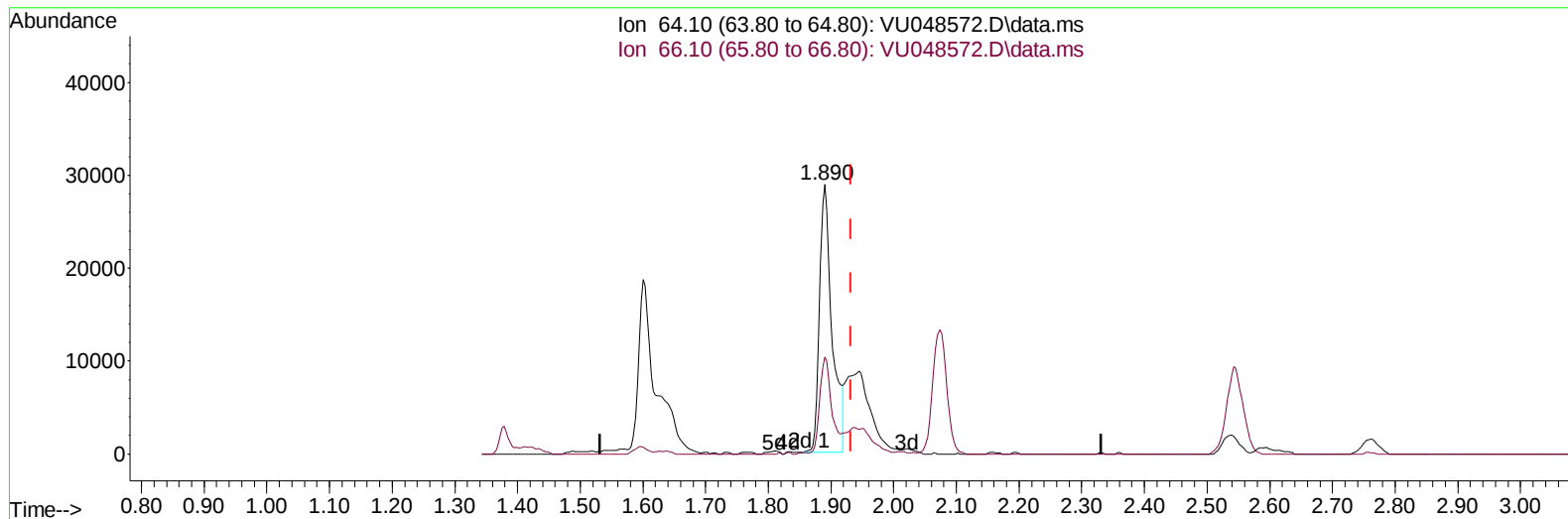
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051322\
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 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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TIC: VU048572.D\data.ms

(8) Chloroethane (T)

1.890min (-0.042) 26.99 ug/L

response 40303

Ion	Exp%	Act%
64.10	100.00	100.00
66.10	32.60	35.89
0.00	0.00	0.00
0.00	0.00	0.00

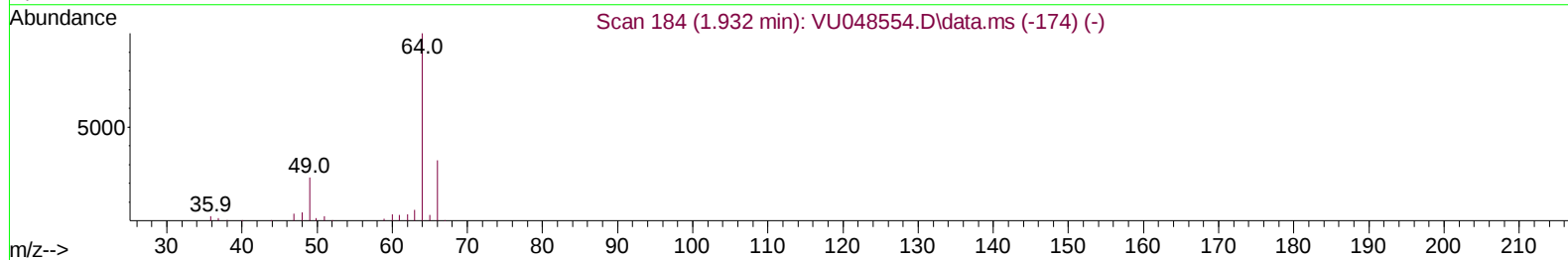
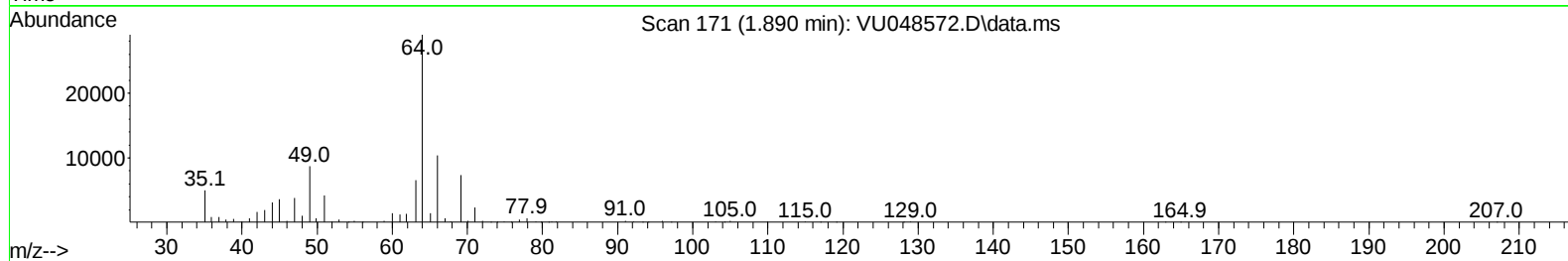
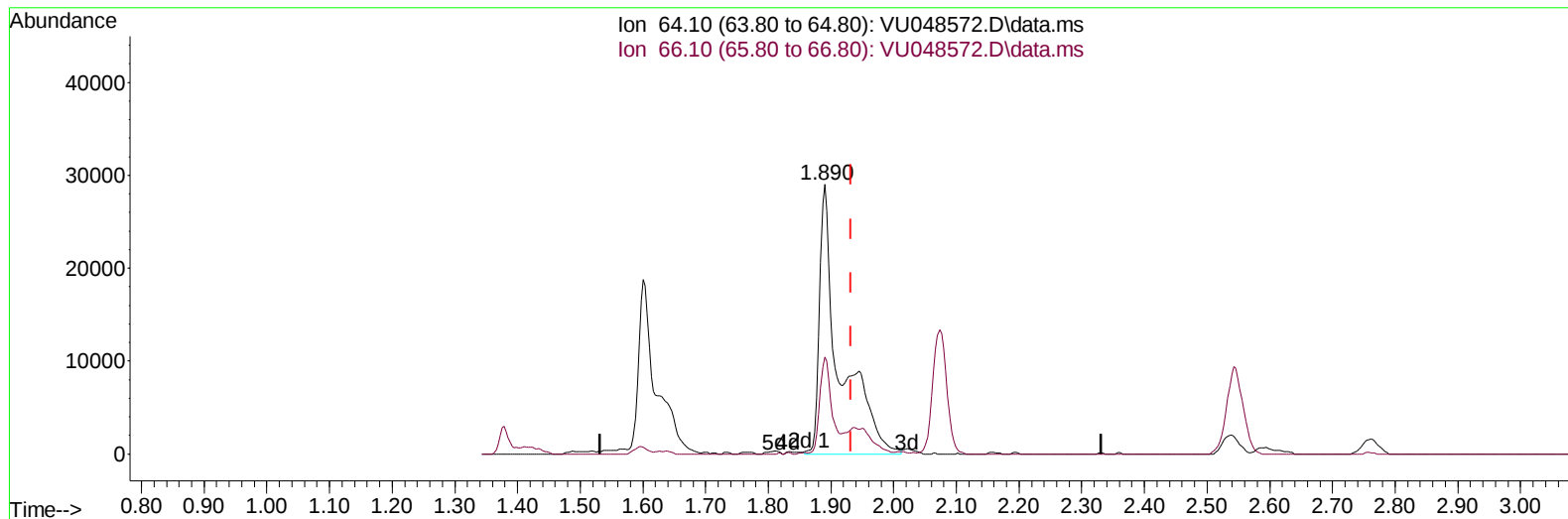
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 Data File : VU048572.D
 Acq On : 13 May 2022 19:13
 Operator : SY/MD
 Sample : N2766-02MEMS
 Misc : 7.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4F3MEMS

Manual IntegrationsAPPROVED

Quant Time: May 14 04:19:12 2022
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 Quant Title : VOC Analysis
 QLast Update : Sat May 14 04:14:40 2022
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TIC: VU048572.D\data.ms

(8) Chloroethane (T)

1.890min (-0.042) 43.81 ug/L m

response 65422

Ion	Exp%	Act%
64.10	100.00	100.00
66.10	32.60	35.89
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051322\
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 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4F3MEMS

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	282569	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	289966	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	179323	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	60492m	24.858	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	49.720%#	
7) Chloroethane-d5	1.871	69	52265m	32.908	ug/L	-0.04
Spiked Amount 50.000	Range 70	- 130	Recovery	=	65.820%#	
11) 1,1-Dichloroethene-d2	2.536	63	141158	32.592	ug/L	-0.04
Spiked Amount 50.000	Range 60	- 125	Recovery	=	65.180%	
21) 2-Butanone-d5	4.633	46	148376	71.593	ug/L	0.01
Spiked Amount 100.000	Range 40	- 130	Recovery	=	71.590%	
24) Chloroform-d	5.063	84	166770	39.455	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	78.900%	
26) 1,2-Dichloroethane-d4	5.700	65	116832	42.521	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	85.040%	
32) Benzene-d6	5.719	84	286302	32.492	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	64.980%#	
36) 1,2-Dichloropropane-d6	6.690	67	92119	32.059	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	64.120%#	
41) Toluene-d8	7.896	98	276863	35.527	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	71.060%#	
43) trans-1,3-Dichloroprop...	8.182	79	53485	40.441	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	80.880%	
47) 2-Hexanone-d5	8.652	63	117470	84.465	ug/L	0.02
Spiked Amount 100.000	Range 45	- 130	Recovery	=	84.470%	
56) 1,1,2,2-Tetrachloroeth...	10.764	84	166871	38.126	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	76.260%	
66) 1,2-Dichlorobenzene-d4	12.195	152	132494	37.313	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	74.620%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.379	85	117245m	45.868	ug/L	
3) Chloromethane	1.517	50	95579	32.691	ug/L	98
5) Vinyl chloride	1.601	62	105187m	37.870	ug/L	
6) Bromomethane	1.826	94	70365	51.227	ug/L	99
8) Chloroethane	1.890	64	65422m	43.810	ug/L	
9) Trichlorofluoromethane	2.073	101	173628	47.578	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.546	101	92774	44.301	ug/L	95
12) 1,1-Dichloroethene	2.546	96	84826	42.842	ug/L	88
13) Acetone	2.642	43	115769	74.093	ug/L	97
14) Carbon disulfide	2.761	76	232522	37.888	ug/L	100
15) Methyl Acetate	2.951	43	118752	37.099	ug/L #	90
16) Methylene chloride	3.031	84	103110	42.584	ug/L	90
17) trans-1,2-Dichloroethene	3.334	96	94347	44.663	ug/L	95
18) Methyl tert-butyl Ether	3.369	73	343444	48.278	ug/L	97
19) 1,1-Dichloroethane	3.858	63	184098	42.266	ug/L	97
20) cis-1,2-Dichloroethene	4.658	96	109634	45.992	ug/L	94
22) 2-Butanone	4.713	43	194984	83.481	ug/L	100
23) Bromochloromethane	4.973	128	59736	47.551	ug/L	82

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051322\
 Data File : VU048572.D
 Acq On : 13 May 2022 19:13
 Operator : SY/MD
 Sample : N2766-02MEMS
 Misc : 7.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4F3MEMS

Manual IntegrationsAPPROVED

Quant Time: May 14 04:19:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 14 04:14:40 2022
 Response via : Initial Calibration

Reviewed By :John Carlone 05/18/2022
 Supervised By :Mahesh Dadoda 05/18/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.086	83	204724	47.597	ug/L	98
27) 1,2-Dichloroethane	5.793	62	179614	50.791	ug/L	97
29) Cyclohexane	5.378	56	144515	36.117	ug/L	88
30) 1,1,1-Trichloroethane	5.308	97	198088	49.191	ug/L	98
31) Carbon tetrachloride	5.517	117	174311	50.552	ug/L	99
33) Benzene	5.768	78	413178	41.385	ug/L	100
34) Trichloroethene	6.539	95	112233	45.732	ug/L	99
35) Methylcyclohexane	6.758	83	161708	41.299	ug/L	94
37) 1,2-Dichloropropane	6.790	63	105838	37.982	ug/L #	96
38) Bromodichloromethane	7.105	83	157824	46.516	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	174143	43.937	ug/L	99
40) 4-Methyl-2-pentanone	7.803	43	340492	76.263	ug/L #	94
42) Toluene	7.970	91	454452	44.103	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	189045	49.082	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	115742	45.930	ug/L	97
46) Tetrachloroethene	8.552	164	90444	49.057	ug/L	98
48) 2-Hexanone	8.703	43	295192	79.556	ug/L	99
49) Dibromochloromethane	8.816	129	138415	51.147	ug/L	96
50) 1,2-Dibromoethane	8.925	107	126498	47.488	ug/L	98
51) Chlorobenzene	9.449	112	311720	48.012	ug/L	97
52) Ethylbenzene	9.574	91	517181	48.182	ug/L	98
53) m,p-Xylene	9.697	106	205938	49.704	ug/L	99
54) o-Xylene	10.105	106	204987	49.176	ug/L	96
55) Styrene	10.121	104	366667	54.102	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.790	83	206255	43.670	ug/L	99
59) Bromoform	10.301	173	115574	45.444	ug/L	98
60) 1,2,3-Trichloropropane	10.828	75	181501	38.774	ug/L	97
61) Isopropylbenzene	10.488	105	547704	43.588	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	316257	45.657	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	499795	48.449	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	276407	46.640	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	278325	46.842	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	272770	44.977	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	57479	41.895	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	208370	49.728	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	181730	49.941	ug/L	100
71) Naphthalene	14.086	128	577088	41.181	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	181415	46.874	ug/L	100

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

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Manual IntegrationsAPPROVED

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