

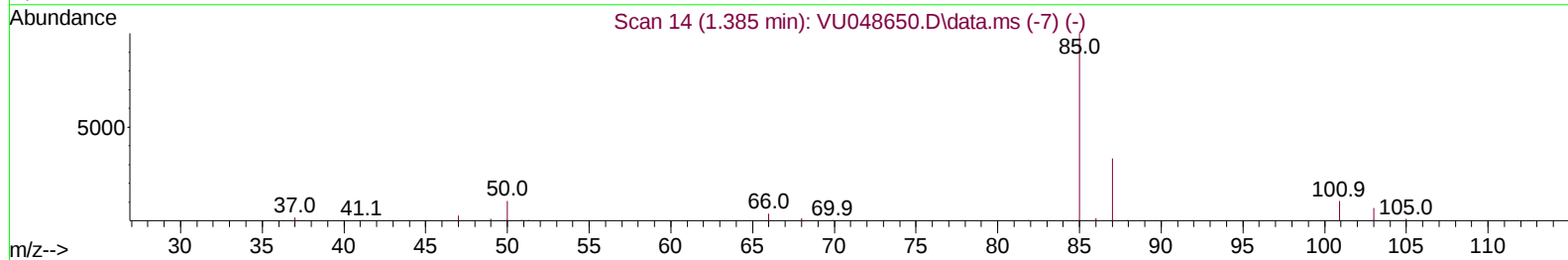
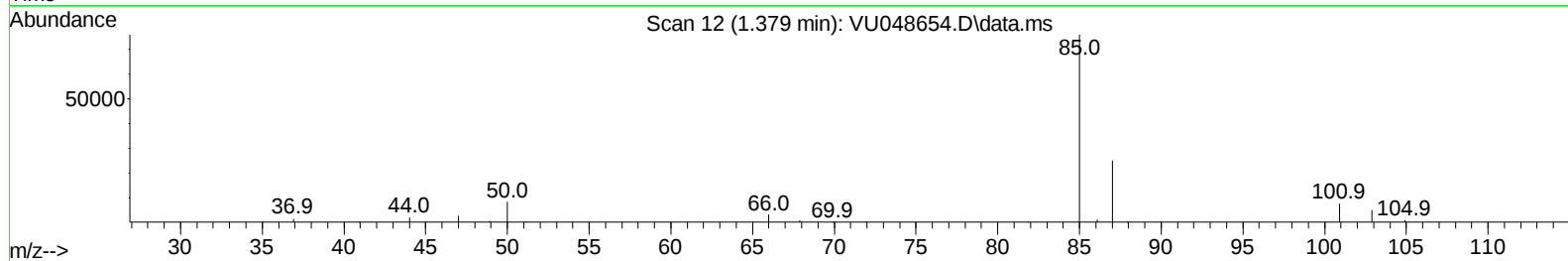
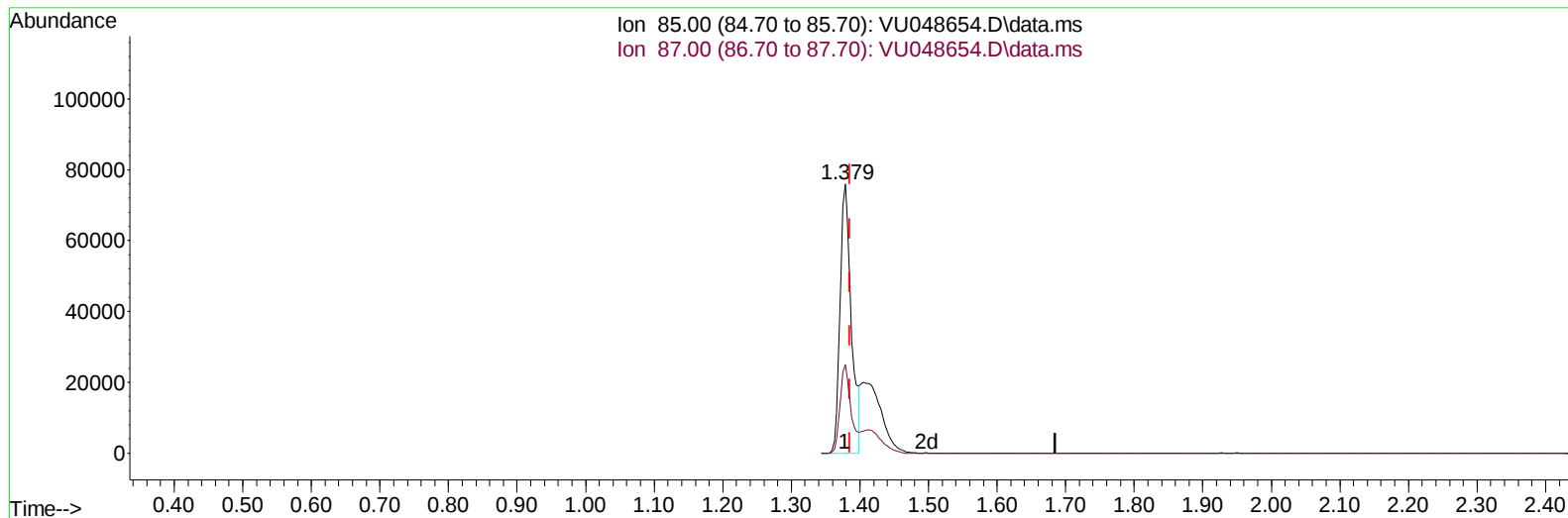
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052322\
 Data File : VU048654.D
 Acq On : 23 May 2022 15:45
 Operator : SY/MD
 Sample : N2929-02MEMS
 Misc : 8.37g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBTF7MEMS

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022

Quant Time: May 24 02:54:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 24 02:53:22 2022
 Response via : Initial Calibration



TIC: VU048654.D\data.ms

(2) Dichlorodifluoromethane (T)

1.379min (-0.007) 33.08 ug/L

response 85887

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.80	32.41
0.00	0.00	0.00
0.00	0.00	0.00

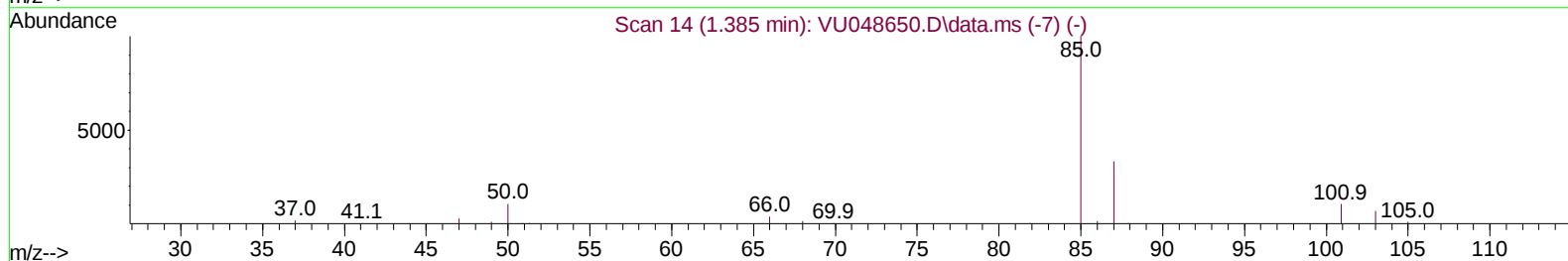
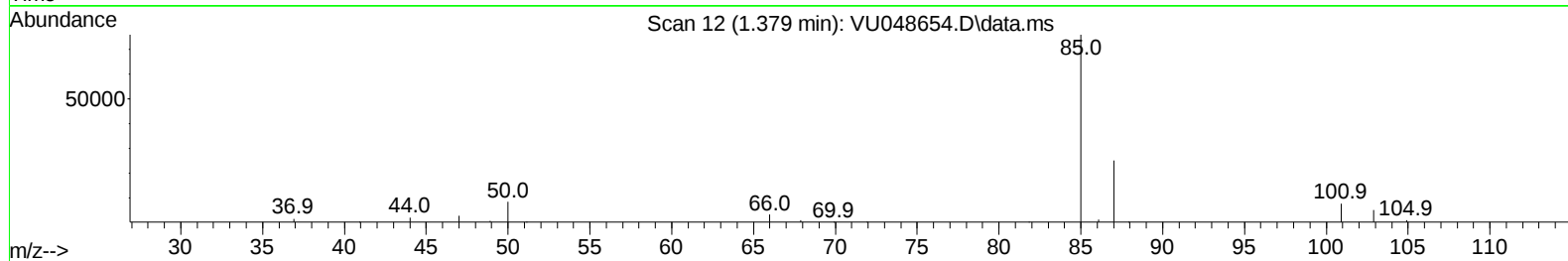
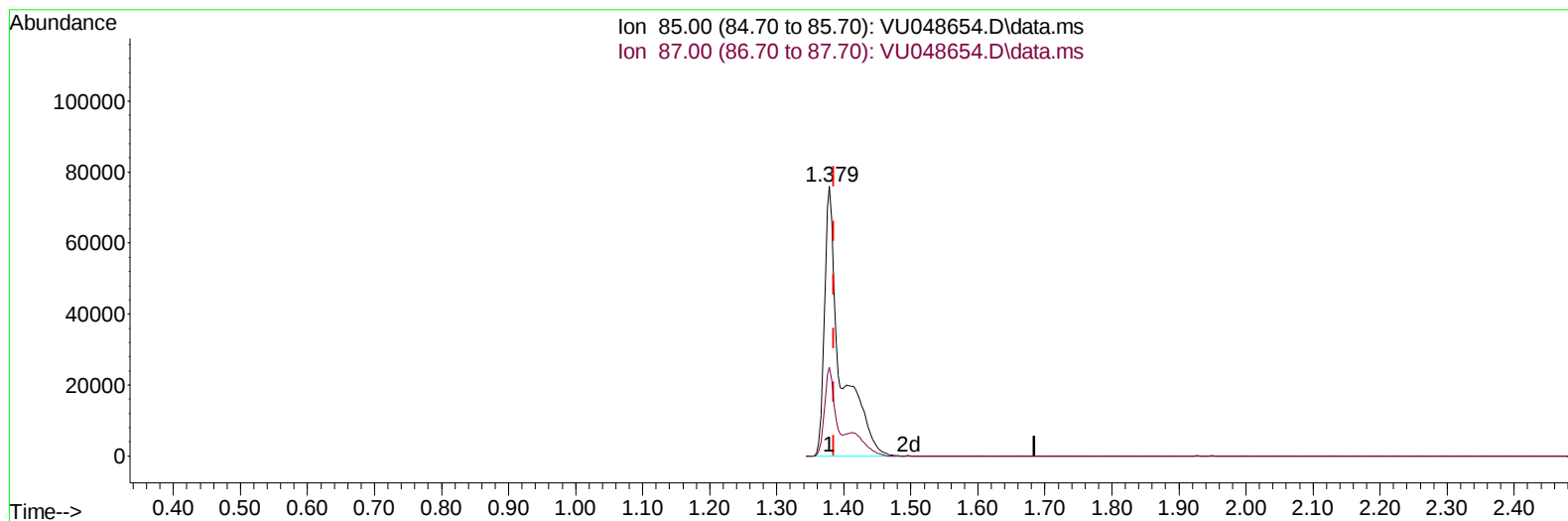
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052322\
 Data File : VU048654.D
 Acq On : 23 May 2022 15:45
 Operator : SY/MD
 Sample : N2929-02MEMS
 Misc : 8.37g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBTF7MEMS

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022

Quant Time: May 24 02:54:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 24 02:53:22 2022
 Response via : Initial Calibration



TIC: VU048654.D\data.ms

(2) Dichlorodifluoromethane (T)

1.379min (-0.007) 49.39 ug/L m

response 128226

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.80	21.71#
0.00	0.00	0.00
0.00	0.00	0.00

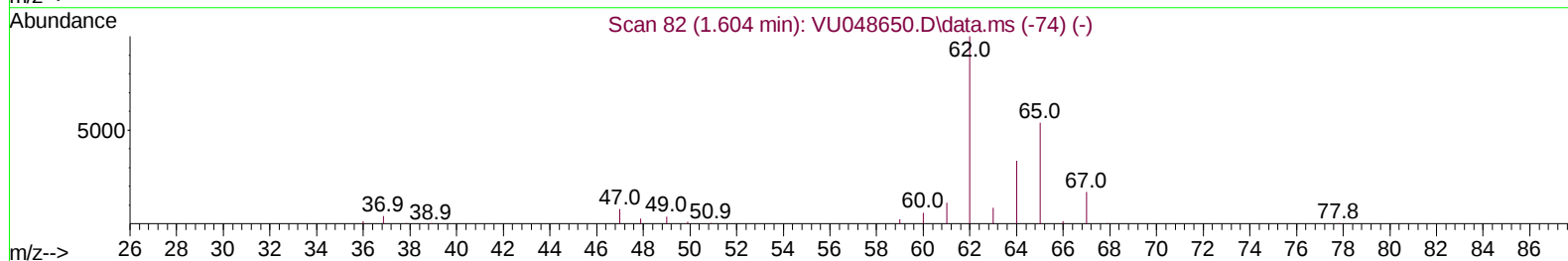
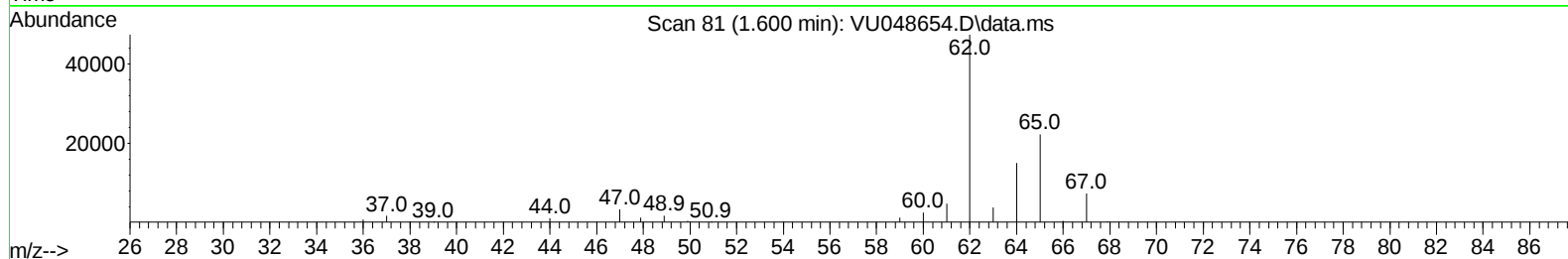
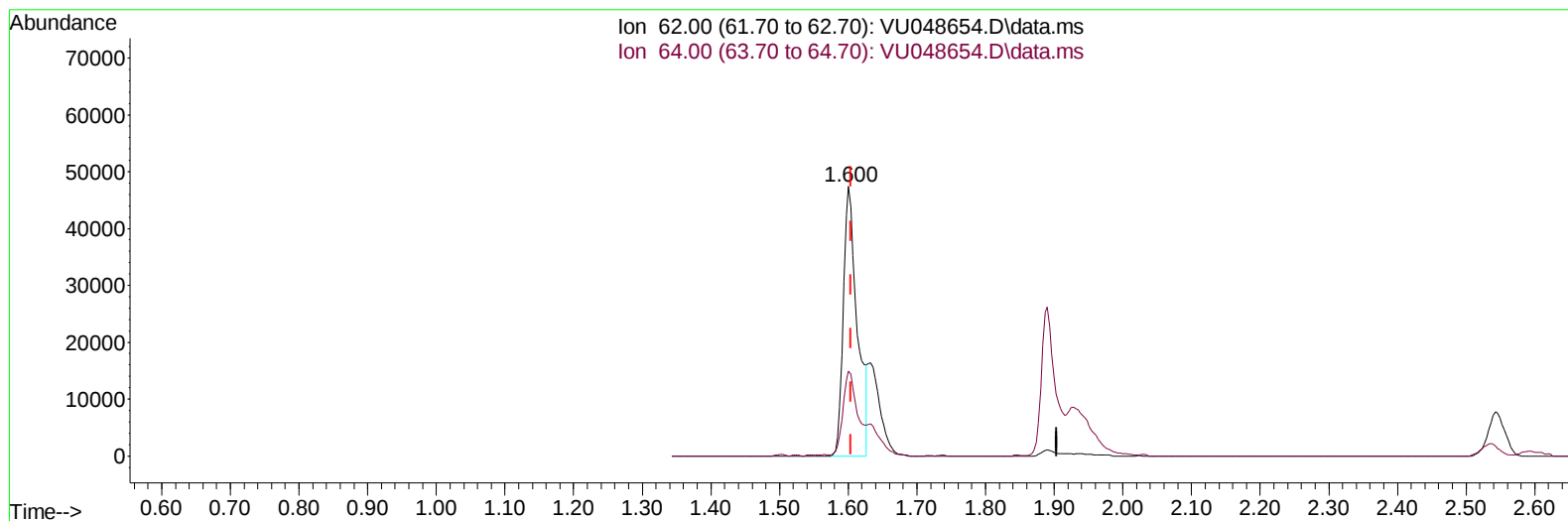
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052322\
Data File : VU048654.D
Acq On : 23 May 2022 15:45
Operator : SY/MD
Sample : N2929-02MEMS
Misc : 8.37g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

Quant Time: May 24 02:54:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
Quant Title : VOC Analysis
QLast Update : Tue May 24 02:53:22 2022
Response via : Initial Calibration



TIC: VU048654.D\data.ms

(5) Vinyl chloride (T)

1.600min (-0.003) 39.13 ug/L

response 66679

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.70	31.61
0.00	0.00	0.00
0.00	0.00	0.00

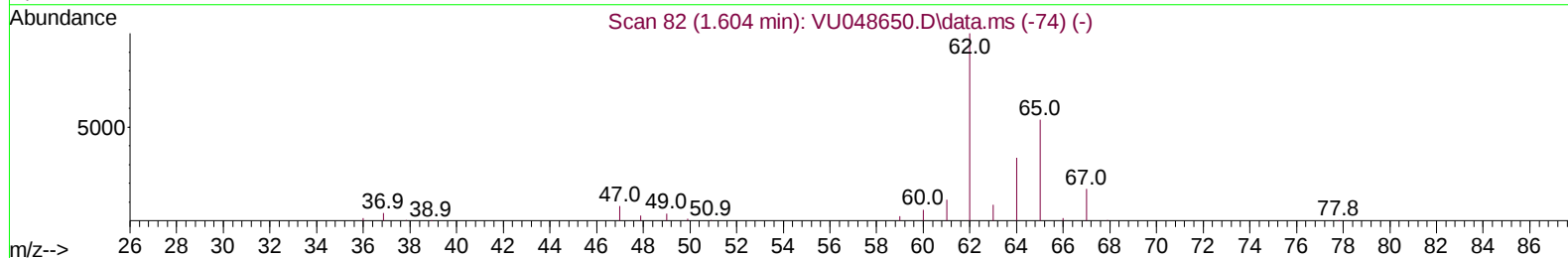
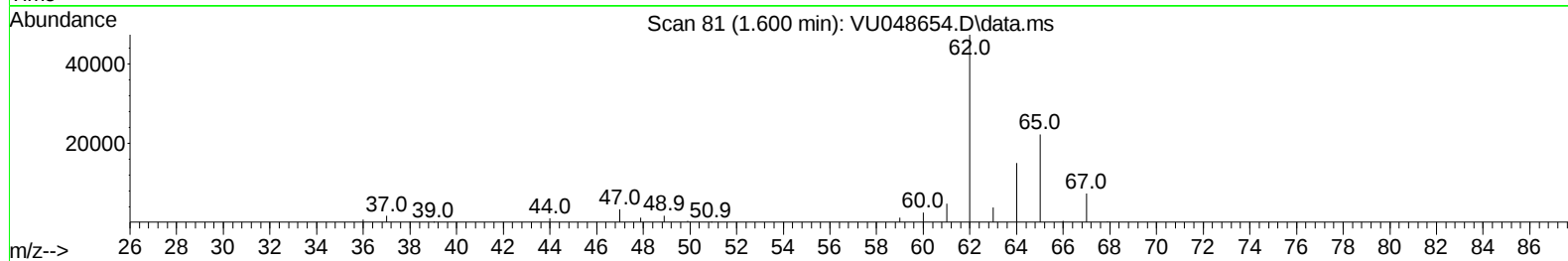
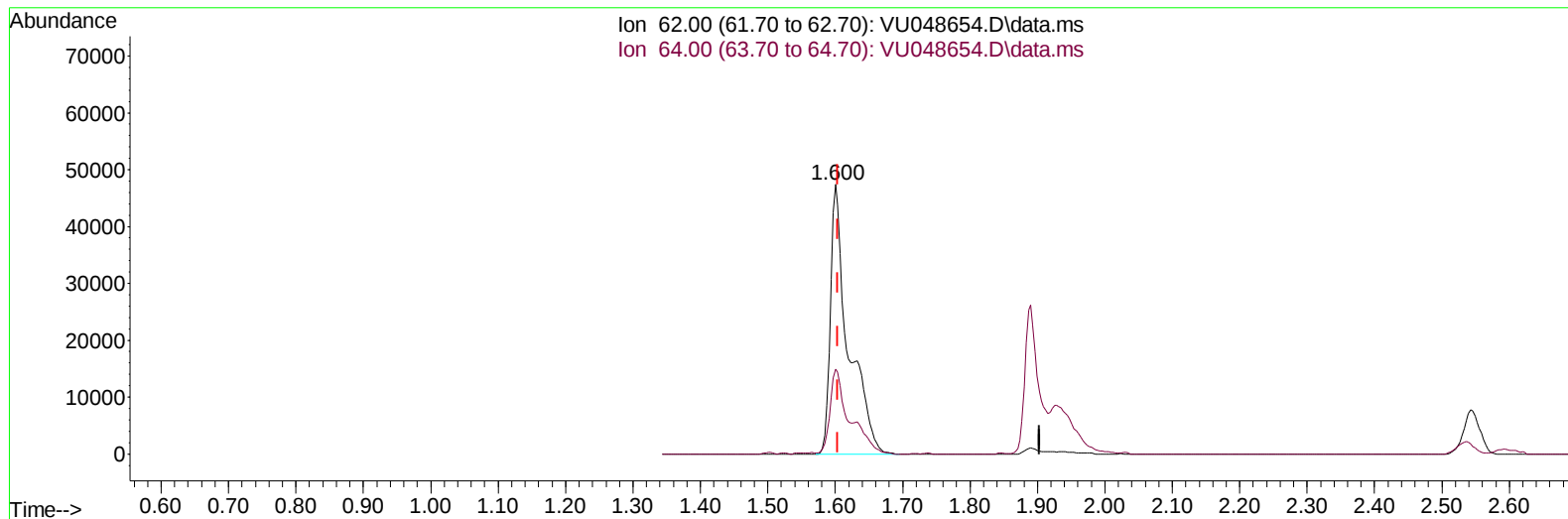
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052322\
Data File : VU048654.D
Acq On : 23 May 2022 15:45
Operator : SY/MD
Sample : N2929-02MEMS
Misc : 8.37g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

Quant Time: May 24 02:54:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
Quant Title : VOC Analysis
QLast Update : Tue May 24 02:53:22 2022
Response via : Initial Calibration



TIC: VU048654.D\data.ms

(5) Vinyl chloride (T)

1.600min (-0.003) 51.18 ug/L m

response 87219

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.70	31.61
0.00	0.00	0.00
0.00	0.00	0.00

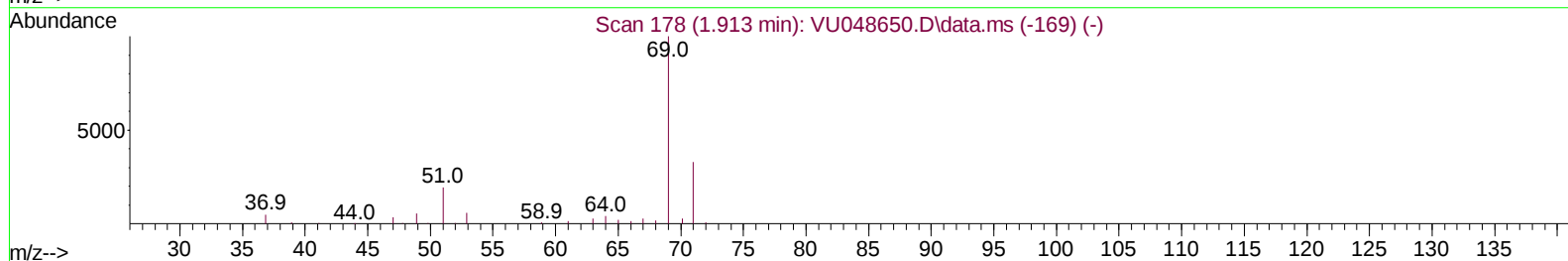
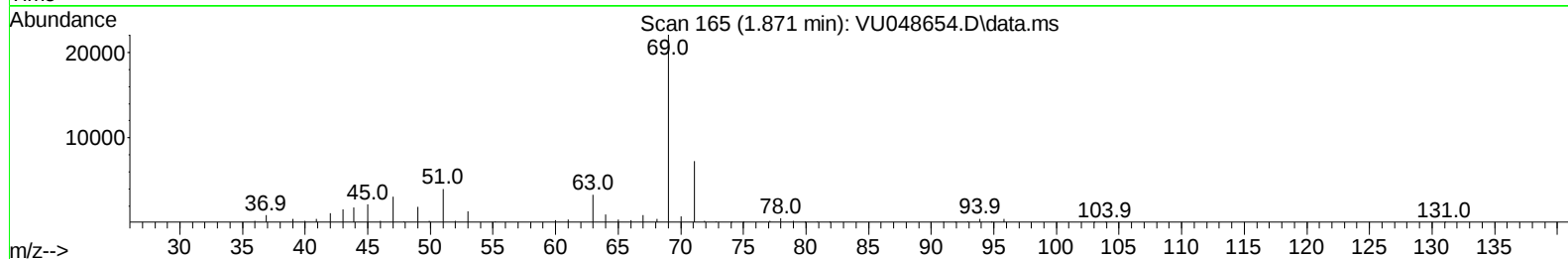
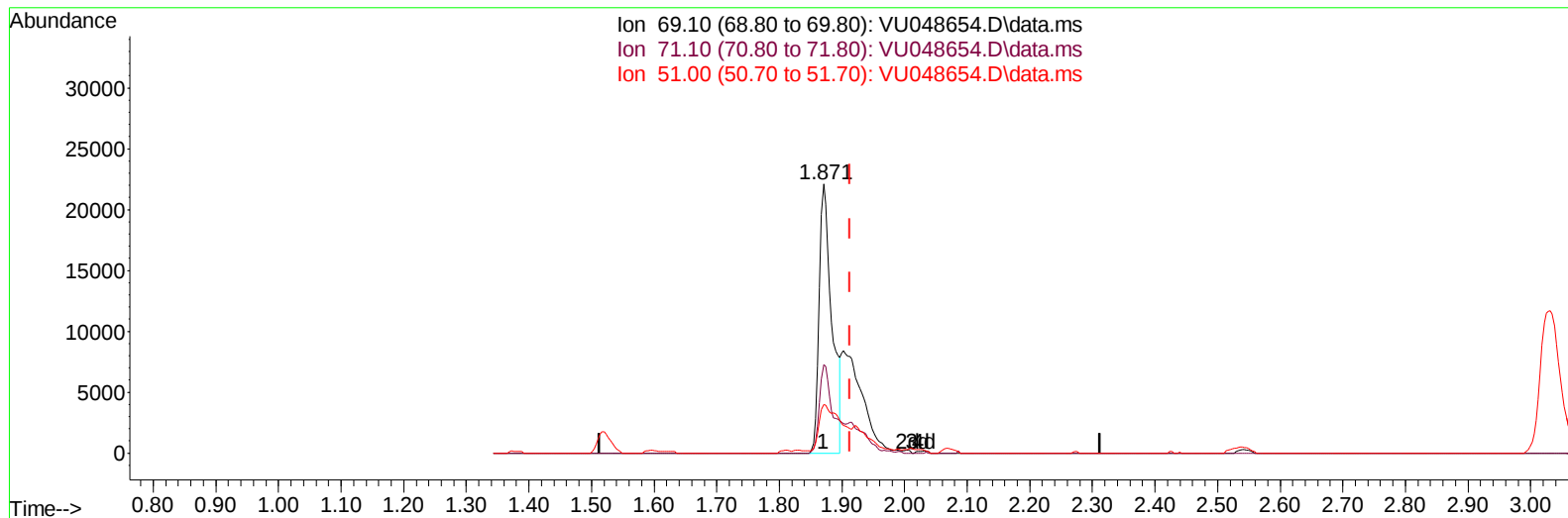
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052322\
Data File : VU048654.D
Acq On : 23 May 2022 15:45
Operator : SY/MD
Sample : N2929-02MEMS
Misc : 8.37g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Manual IntegrationsAPPROVED

Quant Time: May 24 02:54:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
Quant Title : VOC Analysis
QLast Update : Tue May 24 02:53:22 2022
Response via : Initial Calibration

Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



TIC: VU048654.D\data.ms

(7) Chloroethane-d5 (S)

1.871min (-0.042) 28.01 ug/L

response 31050

Ion	Exp%	Act%
69.10	100.00	100.00
71.10	31.70	37.93
51.00	26.90	15.88#
0.00	0.00	0.00

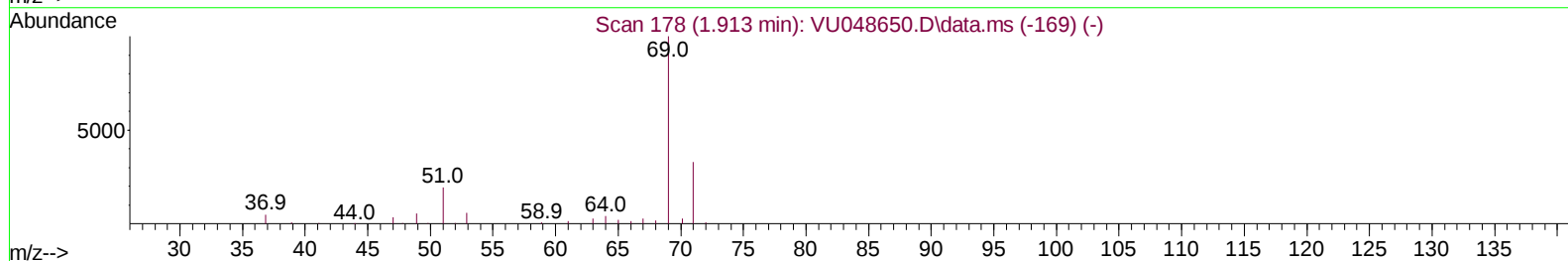
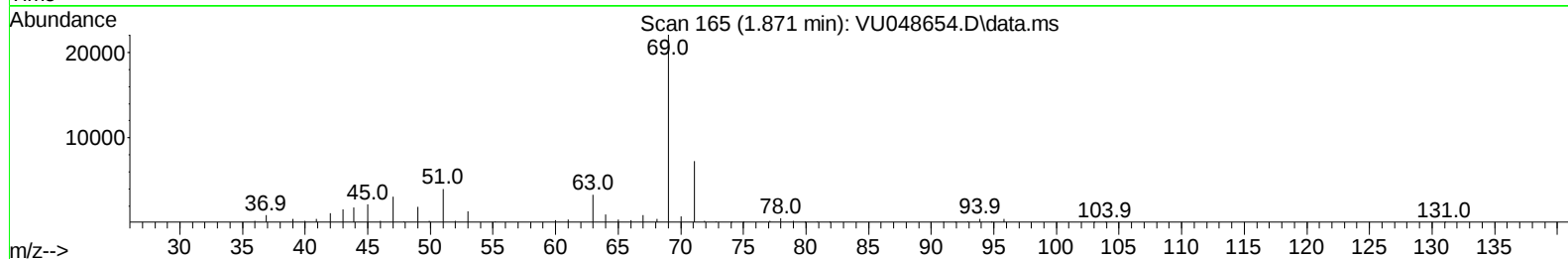
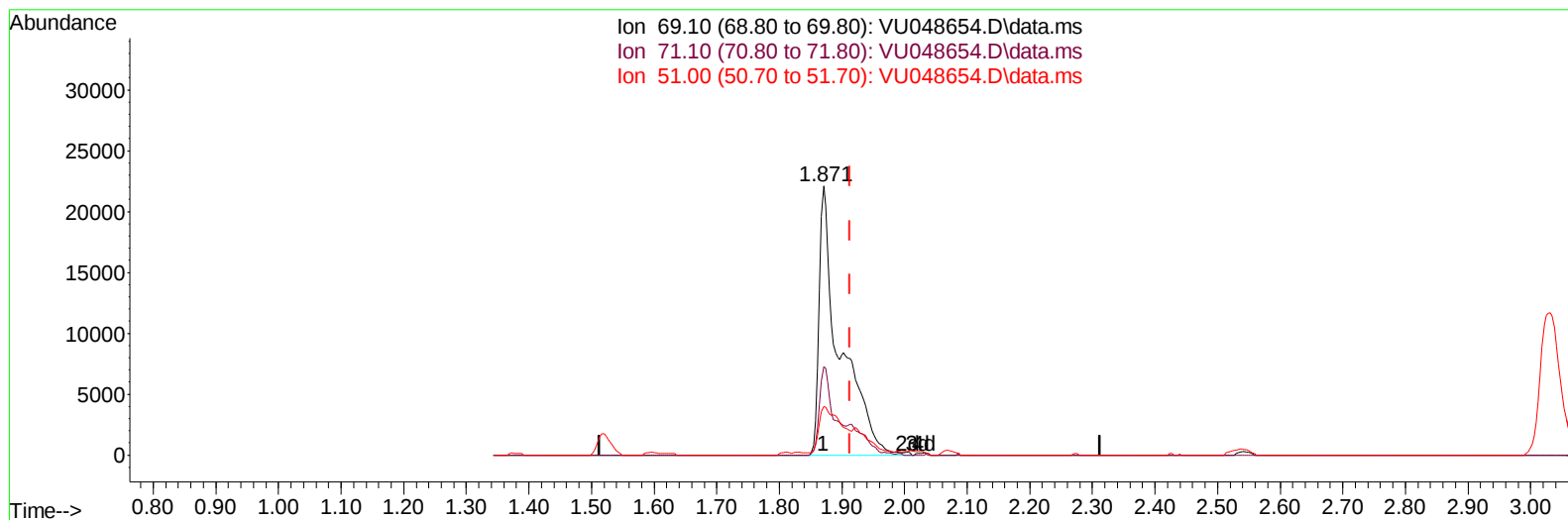
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052322\
 Data File : VU048654.D
 Acq On : 23 May 2022 15:45
 Operator : SY/MD
 Sample : N2929-02MEMS
 Misc : 8.37g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBTF7MEMS

Manual IntegrationsAPPROVED

Quant Time: May 24 02:54:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 24 02:53:22 2022
 Response via : Initial Calibration

Reviewed By :John Carlone 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022



TIC: VU048654.D\data.ms

(7) Chloroethane-d5 (S)

1.871min (-0.042) 46.04 ug/L m

response 51043

Ion	Exp%	Act%
69.10	100.00	100.00
71.10	31.70	23.07
51.00	26.90	9.66#
0.00	0.00	0.00

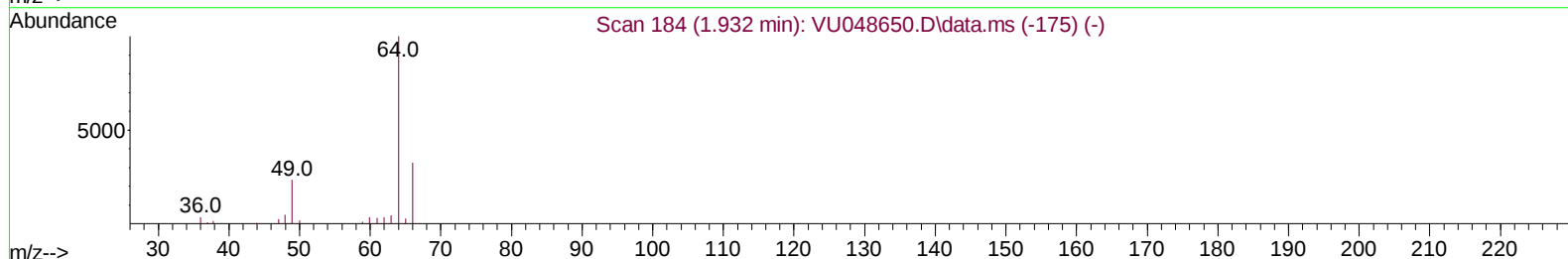
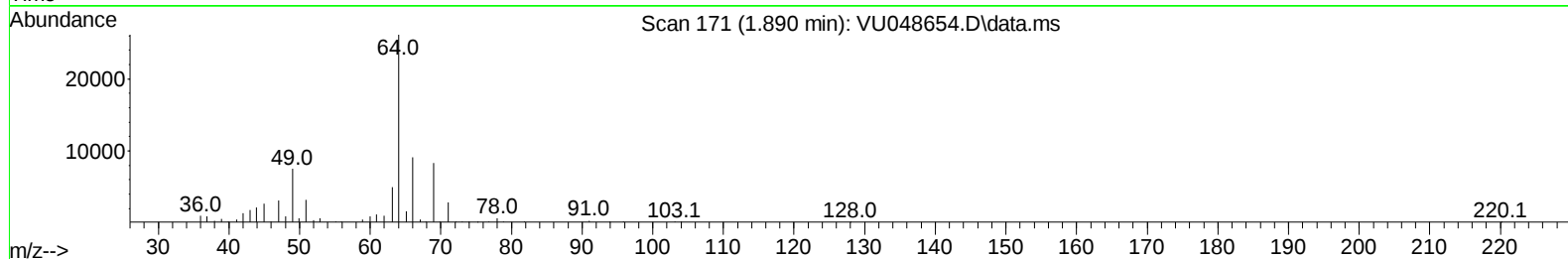
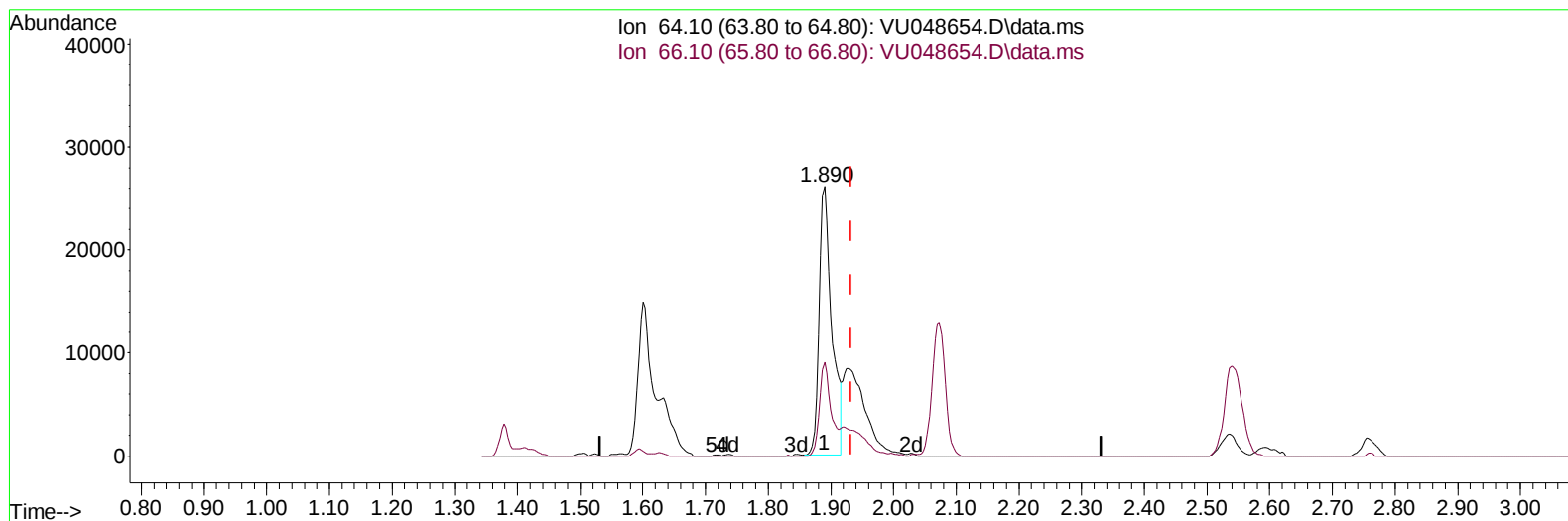
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052322\
 Data File : VU048654.D
 Acq On : 23 May 2022 15:45
 Operator : SY/MD
 Sample : N2929-02MEMS
 Misc : 8.37g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBTF7MEMS

Manual IntegrationsAPPROVED

Quant Time: May 24 02:54:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 24 02:53:22 2022
 Response via : Initial Calibration

Reviewed By :John Carlone 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022



TIC: VU048654.D\data.ms

(8) Chloroethane (T)

1.890min (-0.042) 36.21 ug/L

response 36323

Ion	Exp%	Act%
64.10	100.00	100.00
66.10	33.00	34.84
0.00	0.00	0.00
0.00	0.00	0.00

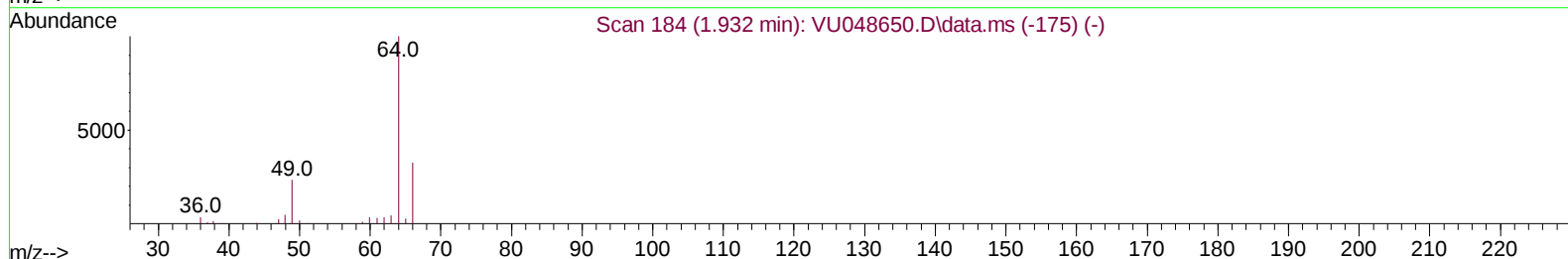
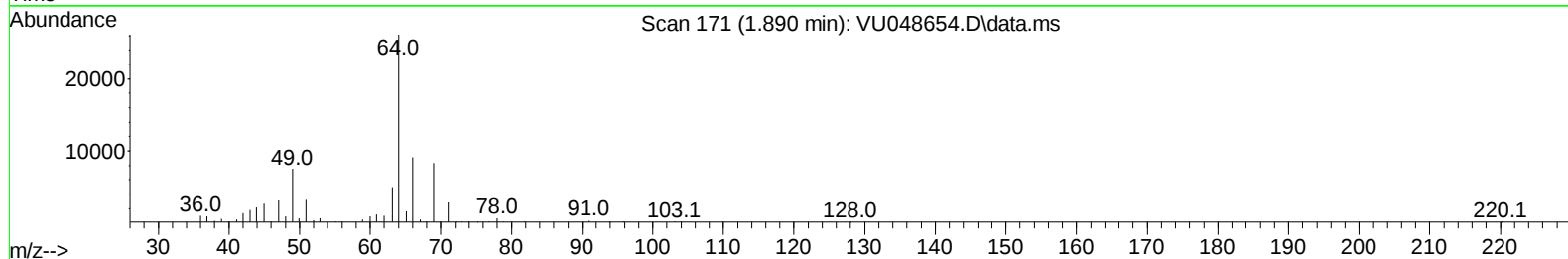
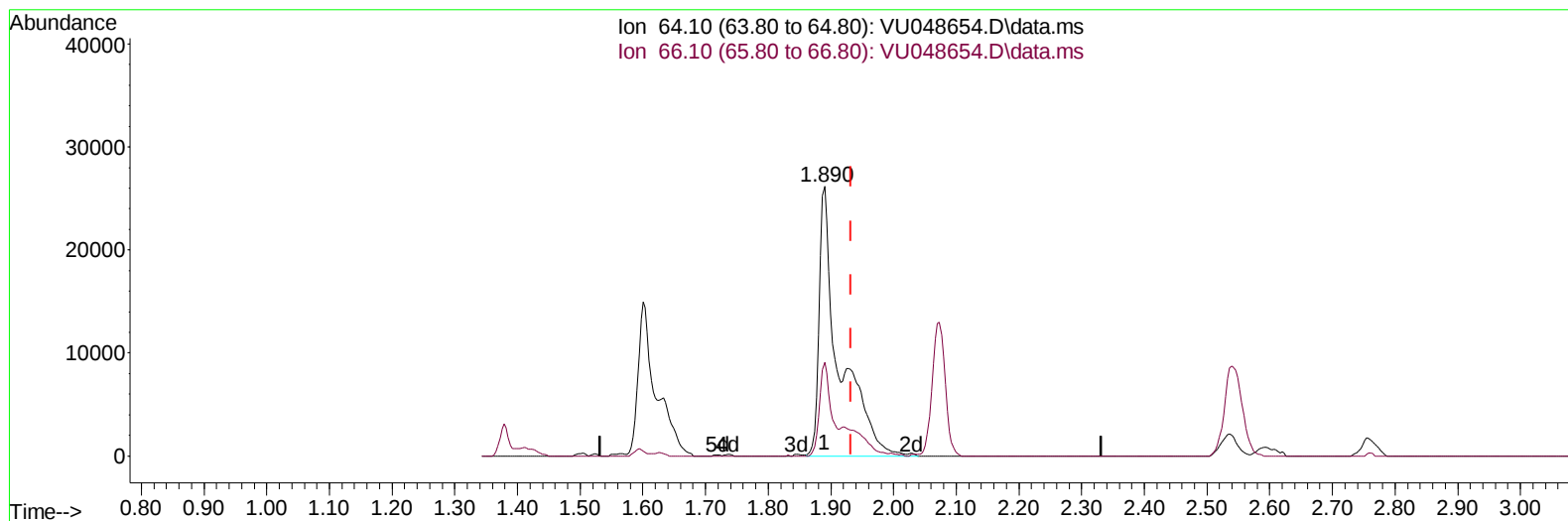
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052322\
 Data File : VU048654.D
 Acq On : 23 May 2022 15:45
 Operator : SY/MD
 Sample : N2929-02MEMS
 Misc : 8.37g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBTF7MEMS

Manual IntegrationsAPPROVED

Quant Time: May 24 02:54:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 24 02:53:22 2022
 Response via : Initial Calibration

Reviewed By :John Carlone 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022



TIC: VU048654.D\data.ms

(8) Chloroethane (T)

1.890min (-0.042) 58.09 ug/L m

response 58266

Ion	Exp%	Act%
64.10	100.00	100.00
66.10	33.00	34.84
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052322\
 Data File : VU048654.D
 Acq On : 23 May 2022 15:45
 Operator : SY/MD
 Sample : N2929-02MEMS
 Misc : 8.37g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBTF7MEMS

Manual IntegrationsAPPROVED

Quant Time: May 24 02:54:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 24 02:53:22 2022
 Response via : Initial Calibration

Reviewed By :John Carlone 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	241597	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	244487	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	158960	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	52411	35.419	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	70.840%	
7) Chloroethane-d5	1.871	69	51043m	46.042	ug/L	-0.04
Spiked Amount 50.000	Range 70	- 130	Recovery	=	92.080%	
11) 1,1-Dichloroethene-d2	2.533	63	134191	40.098	ug/L	-0.04
Spiked Amount 50.000	Range 60	- 125	Recovery	=	80.200%	
21) 2-Butanone-d5	4.633	46	141119	100.214	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	100.210%	
24) Chloroform-d	5.060	84	179131	47.904	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	95.800%	
26) 1,2-Dichloroethane-d4	5.700	65	125844	47.703	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	95.400%	
32) Benzene-d6	5.723	84	290116	42.637	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	85.280%	
36) 1,2-Dichloropropane-d6	6.690	67	88541	44.325	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	88.660%	
41) Toluene-d8	7.899	98	283235	44.255	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	88.500%	
43) trans-1,3-Dichloroprop...	8.182	79	57336	44.887	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	89.780%	
47) 2-Hexanone-d5	8.652	63	113772	103.857	ug/L	0.02
Spiked Amount 100.000	Range 45	- 130	Recovery	=	103.860%	
56) 1,1,2,2-Tetrachloroeth...	10.764	84	169765	51.361	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	102.720%	
66) 1,2-Dichlorobenzene-d4	12.198	152	151158	46.516	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	93.040%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.379	85	128226m	49.388	ug/L	
3) Chloromethane	1.517	50	69035	43.094	ug/L	98
5) Vinyl chloride	1.600	62	87219m	51.181	ug/L	
6) Bromomethane	1.826	94	62705	50.969	ug/L	99
8) Chloroethane	1.890	64	58266m	58.089	ug/L	
9) Trichlorofluoromethane	2.073	101	166408	50.021	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.543	101	91761	54.092	ug/L	97
12) 1,1-Dichloroethene	2.546	96	79525	50.591	ug/L	90
13) Acetone	2.642	43	108122	94.508	ug/L	99
14) Carbon disulfide	2.758	76	210565	46.160	ug/L	99
15) Methyl Acetate	2.951	43	130545	66.859	ug/L	97
16) Methylene chloride	3.028	84	89623	48.975	ug/L	96
17) trans-1,2-Dichloroethene	3.334	96	85693	50.545	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	307784	52.325	ug/L	100
19) 1,1-Dichloroethane	3.854	63	154634	49.820	ug/L	97
20) cis-1,2-Dichloroethene	4.658	96	97268	50.874	ug/L	94
22) 2-Butanone	4.713	43	135023	92.951	ug/L	96
23) Bromochloromethane	4.970	128	55325	52.147	ug/L	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052322\
 Data File : VU048654.D
 Acq On : 23 May 2022 15:45
 Operator : SY/MD
 Sample : N2929-02MEMS
 Misc : 8.37g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBTF7MEMS

Manual IntegrationsAPPROVED

Quant Time: May 24 02:54:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 24 02:53:22 2022
 Response via : Initial Calibration

Reviewed By : John Carlone 05/25/2022
 Supervised By : Mahesh Dadoda 05/25/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.086	83	190752	52.651	ug/L	99
27) 1,2-Dichloroethane	5.793	62	163879	52.730	ug/L	99
29) Cyclohexane	5.375	56	121942	48.560	ug/L	96
30) 1,1,1-Trichloroethane	5.308	97	185894	50.216	ug/L	97
31) Carbon tetrachloride	5.517	117	172596	51.159	ug/L	99
33) Benzene	5.768	78	351946	49.273	ug/L	100
34) Trichloroethene	6.539	95	101800	50.374	ug/L	95
35) Methylcyclohexane	6.758	83	147199	50.759	ug/L	99
37) 1,2-Dichloropropane	6.790	63	86295	48.317	ug/L	100
38) Bromodichloromethane	7.108	83	147115	50.910	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	156951	51.470	ug/L	100
40) 4-Methyl-2-pentanone	7.803	43	258600	94.879	ug/L #	74
42) Toluene	7.970	91	394403	50.660	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	169492	52.706	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	99014	51.768	ug/L	97
46) Tetrachloroethene	8.552	164	90939	55.146	ug/L	98
48) 2-Hexanone	8.703	43	217362	93.078	ug/L	97
49) Dibromochloromethane	8.819	129	134256	54.598	ug/L	99
50) 1,2-Dibromoethane	8.928	107	111236	50.393	ug/L	99
51) Chlorobenzene	9.452	112	284444	52.385	ug/L	99
52) Ethylbenzene	9.574	91	463360	52.081	ug/L	99
53) m,p-Xylene	9.697	106	190382	53.247	ug/L	99
54) o-Xylene	10.105	106	185016	54.014	ug/L	99
55) Styrene	10.121	104	331438	55.652	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.790	83	166431	50.349	ug/L	94
59) Bromoform	10.301	173	113292	51.848	ug/L	97
60) 1,2,3-Trichloropropane	10.832	75	150722	47.809	ug/L	96
61) Isopropylbenzene	10.491	105	504779	51.562	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	299063	53.734	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	469928	54.299	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	263481	52.190	ug/L	98
65) 1,4-Dichlorobenzene	11.841	146	263633	50.323	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	257237	50.095	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	51664	42.386	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	201865	50.167	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	169740	46.640	ug/L	99
71) Naphthalene	14.089	128	457825	38.151	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	172294	47.152	ug/L	99

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

