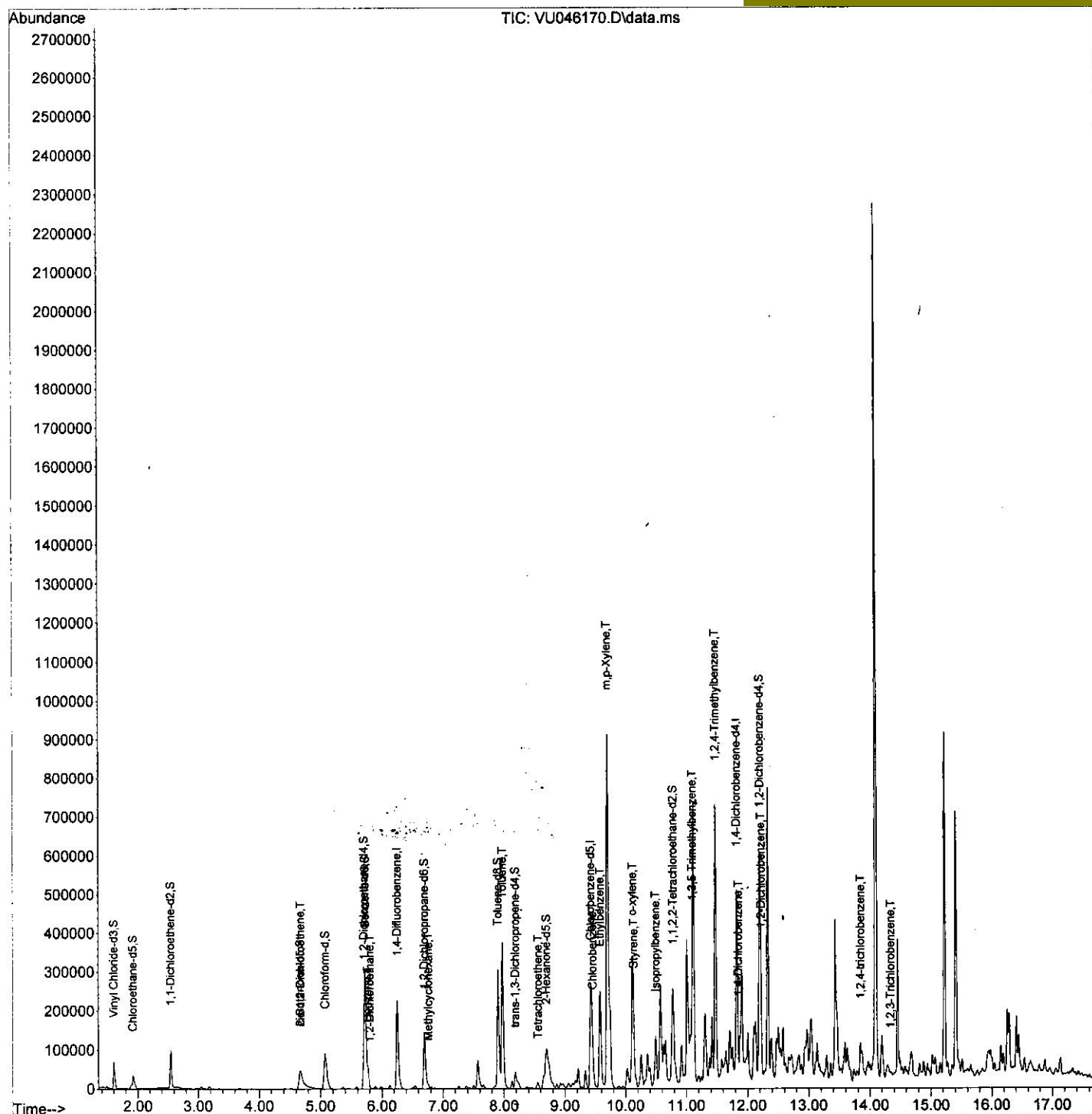Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
Data File : VU046170.D
Acq On   : 08 Dec 2021 13:00
Operator : SY/MD
Sample   : M4960-04
Misc   : 6.90g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9   Sample Multiplier: 1

Quant Time: Dec 09 03:19:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BGKR9

Manual IntegrationsAPPROVED

Reviewed By :John Carlone   12/09/2021
Supervised By :Mahesh Dadoda   12/09/2021
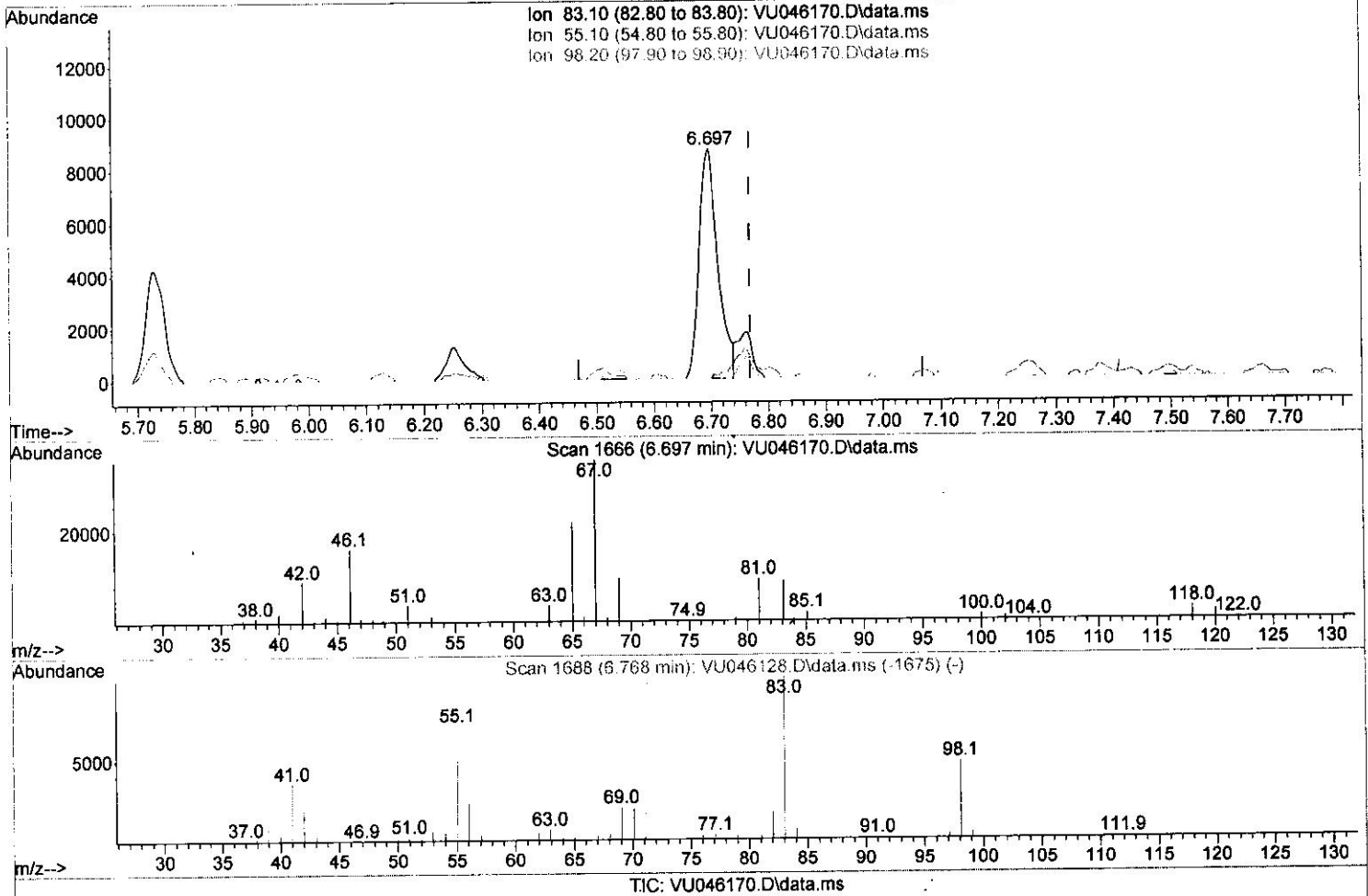

TIC: VU046170.D\data.ms

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
Data File : VU046170.D
Acq On   : 08 Dec 2021 13:00
Operator : SY/MD
Sample   : M4960-04
Misc   : 6.90g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9   Sample Multiplier: 1

Quant Time: Dec 09 03:19:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BGKR9

Manual IntegrationsAPPROVED

Reviewed By :John Carlone   12/09/2021
Supervised By :Mahesh Dadoda   12/09/2021

Ion 83.10 (82.80 to 83.80): VU046170.D\data.ms
Ion 55.10 (54.80 to 55.80): VU046170.D\data.ms
Ion 98.20 (97.90 to 98.90): VU046170.D\data.ms

Scan 1666 (6.697 min): VU046170.D\data.ms

Scan 1688 (6.768 min): VU046128.D\data.ms (-1675) (-)

TIC: VU046170.D\data.ms

(35) Methylcyclohexane (T)

6.697min (-0.071) 6.91 ug/L

response   20018

Ion	Exp%	Act%
83.10	100.00	100.00
55.10	72.20	0.48#
98.20	48.00	0.75#
0.00	0.00	0.00

```
                           Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
Data File : VU046170.D
Acq On    : 08 Dec 2021  13:00
Operator  : SY/MD
Sample    : M4960-04
Misc      : 6.90g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial  : 9   Sample Multiplier: 1

Quant Time: Dec 09 03:19:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title  : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration
```
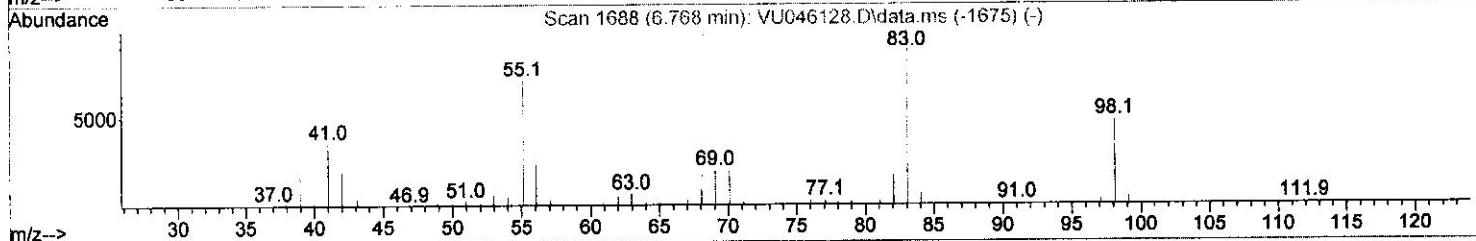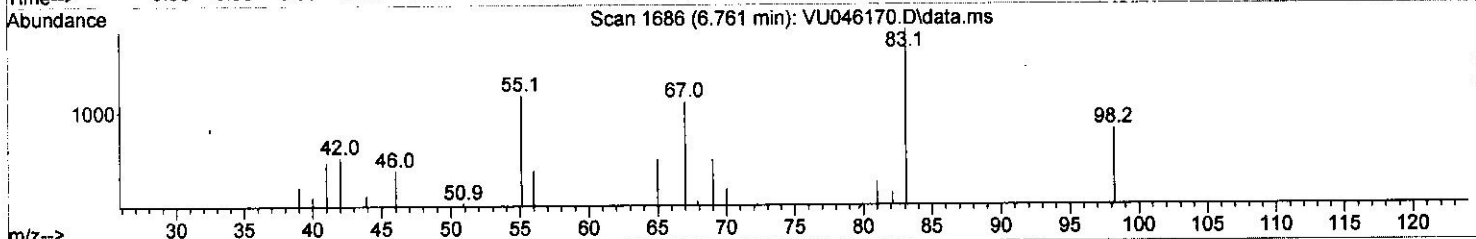
Instrument :
MSVOA_U
ClientSampleId :
BGKR9

Manual IntegrationsAPPROVED

Reviewed By :John Carlone   12/09/2021
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Ion 83.10 (82.80 to 83.80): VU046170.D\data.ms
Ion 55.10 (54.80 to 55.80): VU046170.D\data.ms
Ion 98.20 (97.90 to 98.90): VU046170.D\data.ms

Scan 1686 (6.761 min): VU046170.D\data.ms

Scan 1688 (6.768 min): VU046128.D\data.ms (-1675) (-)

TIC: VU046170.D\data.ms

```
(35)  Methylcyclohexane (T)

6.761min (-0.006)  1.15 ug/L m

response       3317

   Ion        Exp%       Act%

   83.10      100.00     100.00

   55.10      72.20      2.89#

   98.20      48.00      4.52#

   0.00       0.00       0.00
```
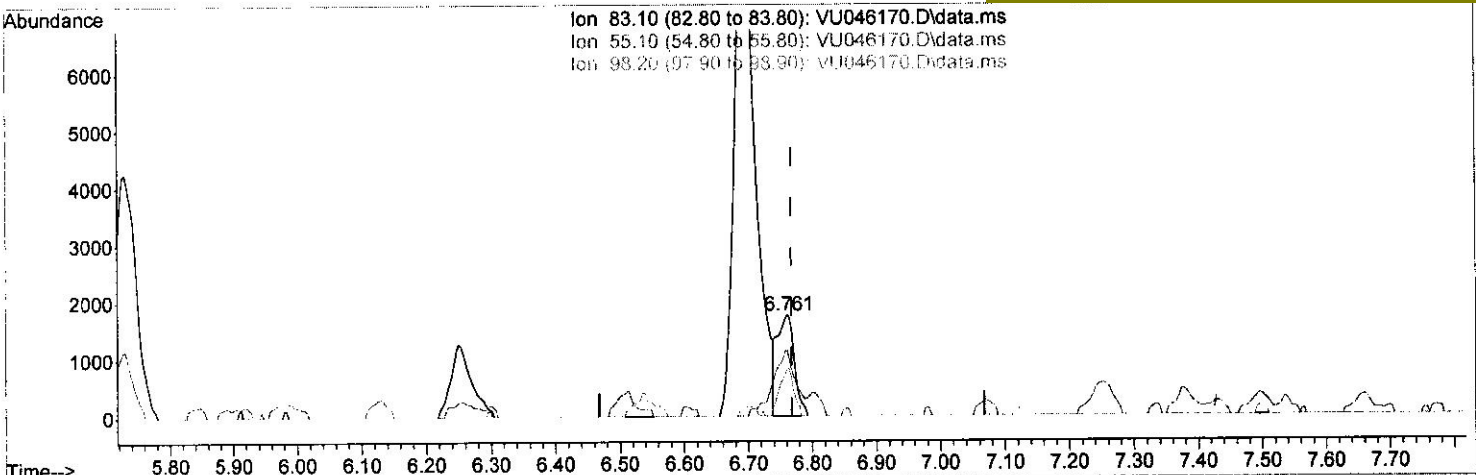
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
Data File : VU046170.D
Acq On    : 08 Dec 2021  13:00
Operator  : SY/MD
Sample    : M4960-04
Misc      : 6.90g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial  : 9   Sample Multiplier: 1

Quant Time: Dec 09 03:19:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title  : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration
```

Instrument :
MSVOA_U
ClientSampleId :
BGKR9

Manual IntegrationsAPPROVED

Reviewed By :John Carlone   12/09/2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	238892	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	234222	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	119230	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	68191	34.652	ug/L	0.00
Spiked Amount 50.000 Range 60 - 135 Recovery = 69.300%						
7) Chloroethane-d5	1.919	69	43773	28.971	ug/L	0.00
Spiked Amount 50.000 Range 70 - 130 Recovery = 57.940%#						
11) 1,1-Dichloroethene-d2	2.549	63	57129	16.172	ug/L	-0.03
Spiked Amount 50.000 Range 60 - 125 Recovery = 32.340%#						
21) 2-Butanone-d5	4.671	46	106575	68.127	ug/L	0.03
Spiked Amount 100.000 Range 40 - 130 Recovery = 68.130%						
24) Chloroform-d	5.076	84	119287	36.299	ug/L	0.00
Spiked Amount 50.000 Range 70 - 125 Recovery = 72.600%						
26) 1,2-Dichloroethane-d4	5.710	65	85830	38.917	ug/L	0.00
Spiked Amount 50.000 Range 70 - 125 Recovery = 77.840%						
32) Benzene-d6	5.726	84	271646	40.464	ug/L	0.00
Spiked Amount 50.000 Range 70 - 125 Recovery = 80.920%						
36) 1,2-Dichloropropane-d6	6.697	67	85496	41.093	ug/L	0.00
Spiked Amount 50.000 Range 70 - 120 Recovery = 82.180%						
41) Toluene-d8	7.902	98	255508	41.802	ug/L	0.00
Spiked Amount 50.000 Range 80 - 120 Recovery = 83.600%						
43) trans-1,3-Dichloroprop...	8.185	79	41603	41.423	ug/L	0.00
Spiked Amount 50.000 Range 60 - 125 Recovery = 82.840%						
47) 2-Hexanone-d5	8.697	63	94952	96.255	ug/L	0.06
Spiked Amount 100.000 Range 45 - 130 Recovery = 96.260%						
56) 1,1,2,2-Tetrachloroeth...	10.777	84	124095	39.330	ug/L	0.02
Spiked Amount 50.000 Range 65 - 120 Recovery = 78.660%						
66) 1,2-Dichlorobenzene-d4	12.201	152	98279	42.802	ug/L	0.00
Spiked Amount 50.000 Range 80 - 120 Recovery = 85.600%						

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) cis-1,2-Dichloroethene	4.674	96	11365	5.992	ug/L	96
27) 1,2-Dichloroethane	5.806	62	2046	0.781	ug/L #	73
33) Benzene	5.771	78	50743	7.158	ug/L	100
35) Methylcyclohexane	6.761	83	3317m	1.145	ug/L	
42) Toluene	7.973	91	347688	45.708	ug/L	100
46) Tetrachloroethene	8.558	164	3519	2.564	ug/L	96
51) Chlorobenzene	9.459	112	32839	6.673	ug/L	94
52) Ethylbenzene	9.581	91	239225	29.222	ug/L	98
53) m,p-Xylene	9.703	106	346687	108.591	ug/L	98
54) o-xylene	10.111	106	97094	31.342	ug/L	99
55) Styrene	10.134	104	61869	11.698	ug/L	100
61) Isopropylbenzene	10.494	105	103809	13.382	ug/L	99
62) 1,3,5-Trimethylbenzene	11.099	105	136706	21.142	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	405309	62.652	ug/L	99
65) 1,4-Dichlorobenzene	11.848	146	6727	1.766	ug/L #	75
67) 1,2-Dichlorobenzene	12.221	146	54776	14.761	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	11662	4.895	ug/L #	92
72) 1,2,3-Trichlorobenzene	14.333	180	4071	1.676	ug/L #	62

MD
12/23/21

```
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Operator  : SY/MD
Sample    : M4960-04
Misc      : 6.90g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial  : 9   Sample Multiplier: 1

Quant Time: Dec 09 03:19:34 2021
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Quant Title  : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration
```

Instrument :
MSVOA_U
ClientSampleId :
BGKR9

Manual IntegrationsAPPROVED

Reviewed By :John Carlone   12/09/2021
Supervised By :Mahesh Dadoda   12/09/2021

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

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