

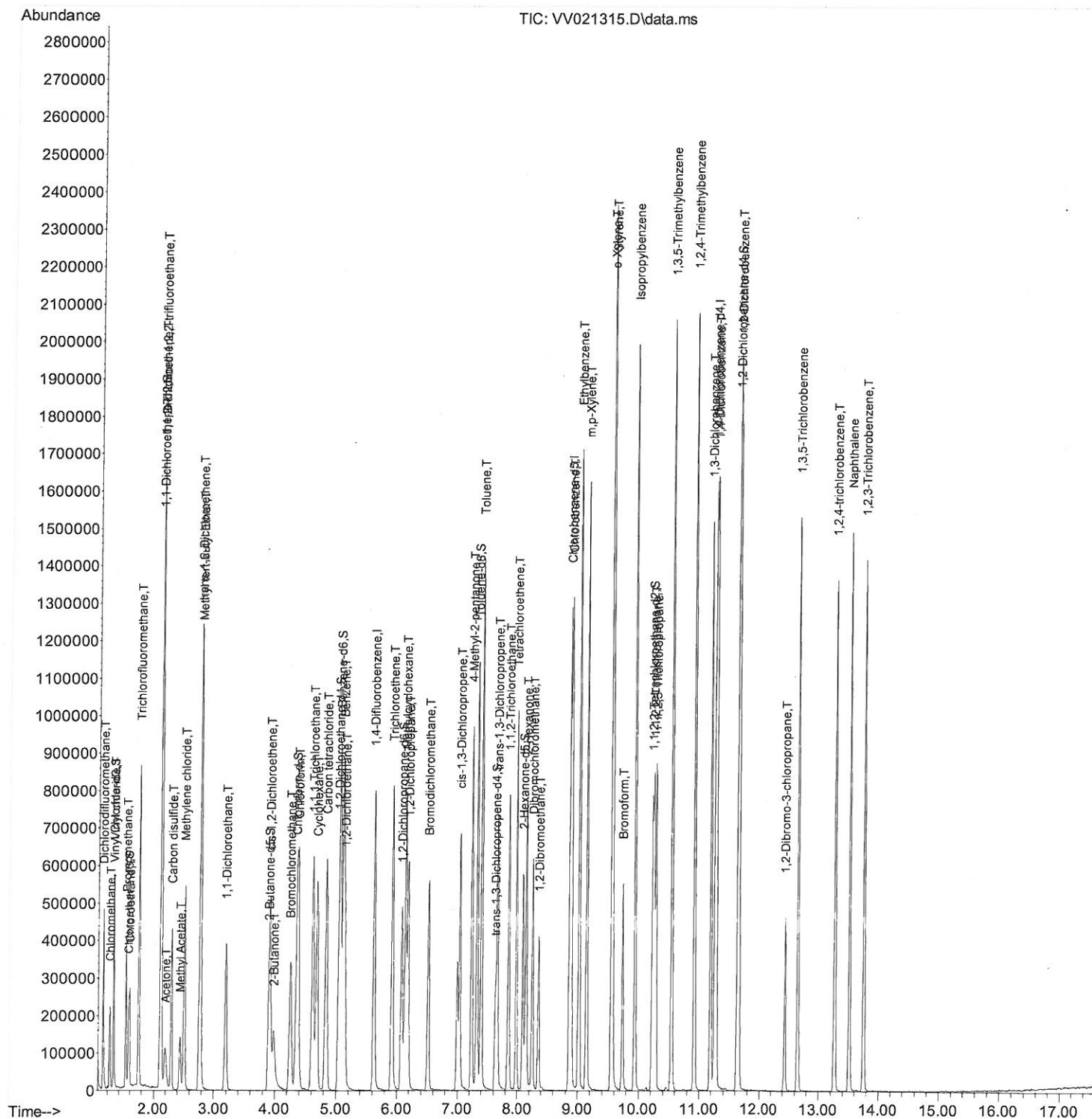
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050621\
 Data File : VV021315.D
 Acq On : 06 May 2021 18:47
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 1:12:29 PM

Quant Time: May 07 03:58:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 07 03:56:18 2021
 Response via : Initial Calibration



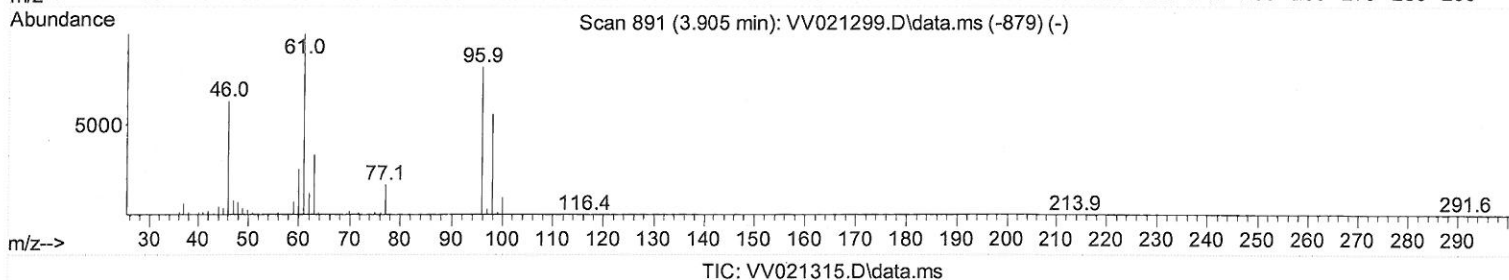
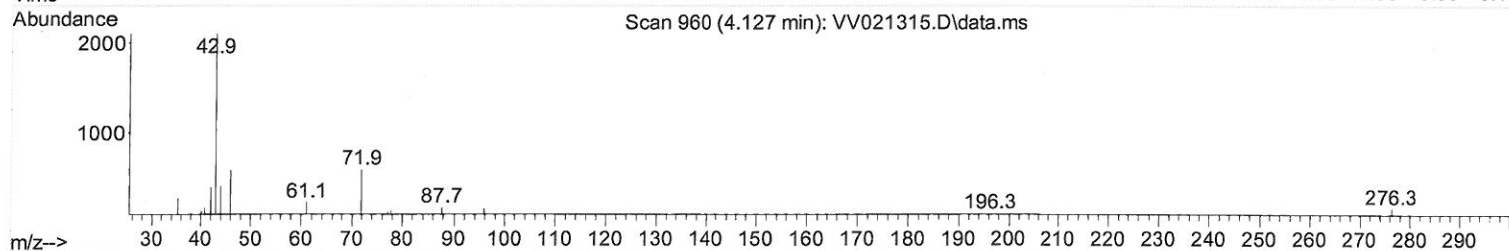
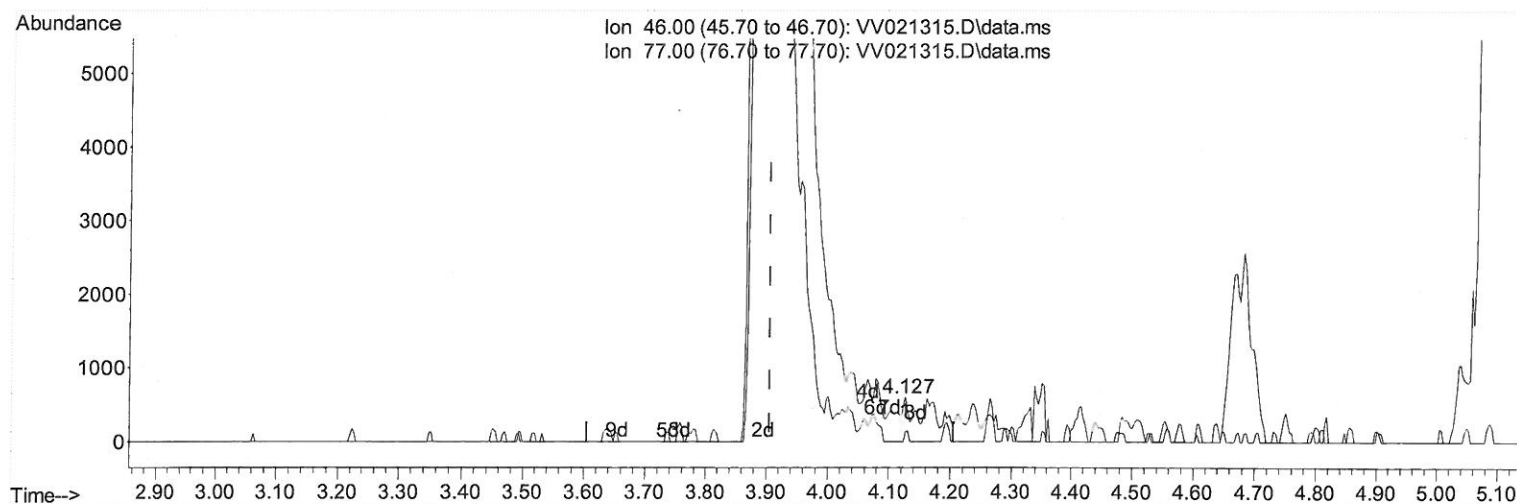
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050621\  
Data File : VV021315.D  
Acq On    : 06 May 2021  18:47  
Operator  : SY/MD  
Sample    : VSTDCCC050EC  
Misc      : 5.0mL/MSVOA_V/WATER  
ALS Vial  : 21   Sample Multiplier: 1
```

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
5/11/2021 1:12:29 PM

Quant Time: May 07 03:58:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 07 03:56:18 2021
Response via : Initial Calibration



(21) 2-Butanone-d5 (S)

4.127min (+ 0.222) 0.07 ug/L

response 162

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	25.60	32.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

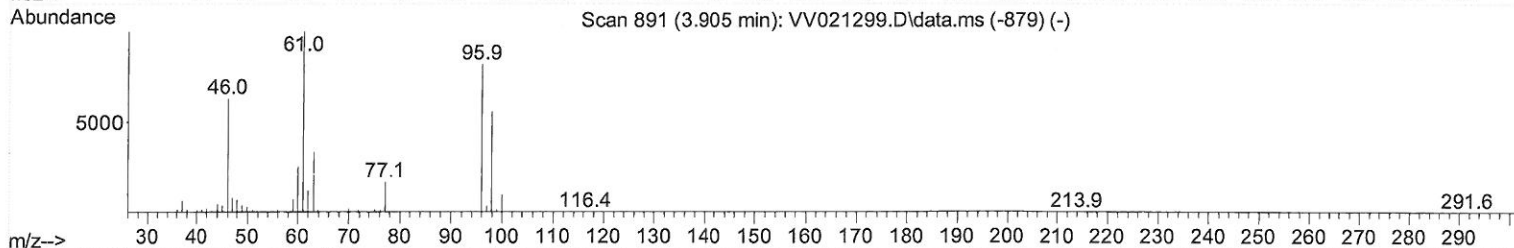
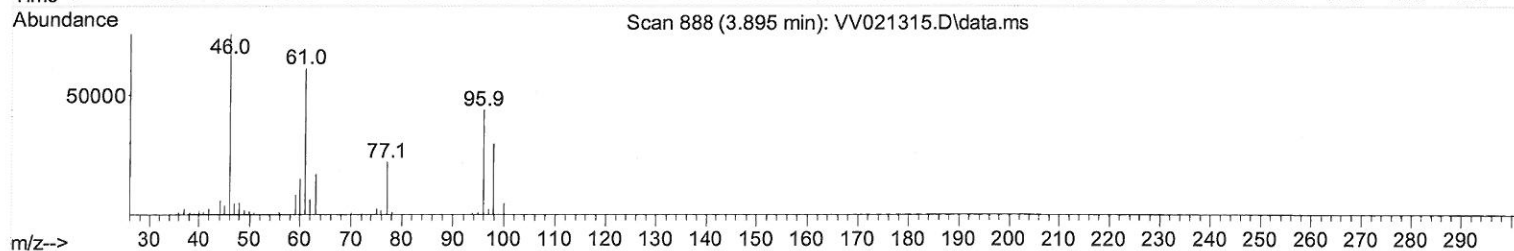
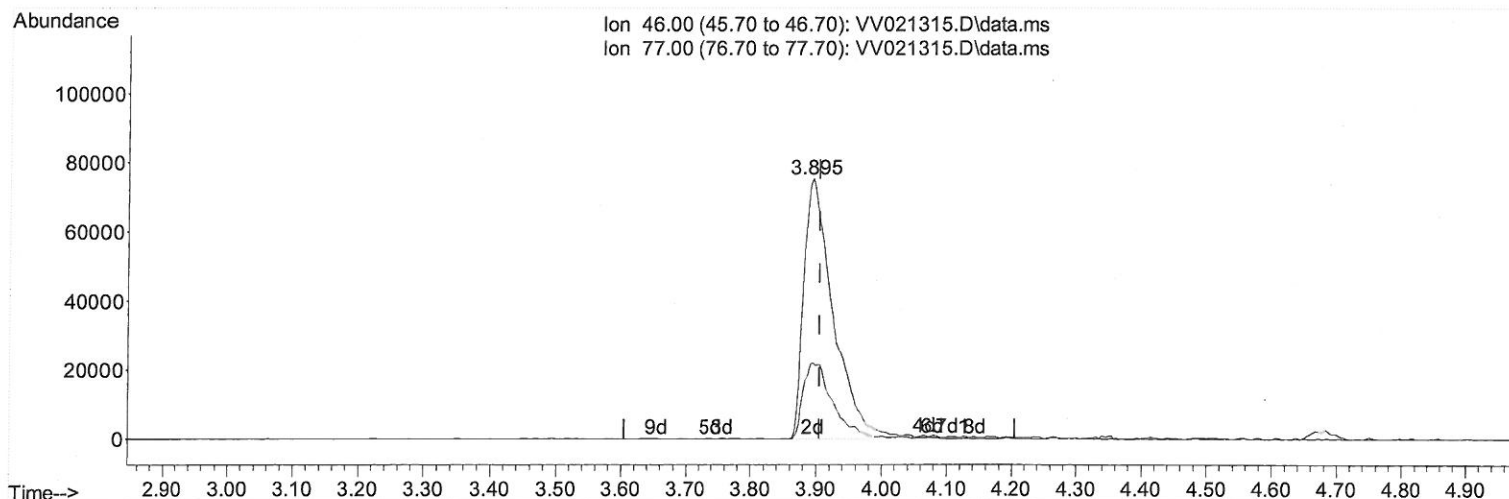
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050621\
 Data File : VV021315.D
 Acq On : 06 May 2021 18:47
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 1:12:29 PM

Quant Time: May 07 03:58:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 07 03:56:18 2021
 Response via : Initial Calibration



TIC: VV021315.D\data.ms

(21) 2-Butanone-d5 (S)

3.895min (-0.010) 94.47 ug/L m

response 228689

Ion Exp% Act%

46.00 100.00 100.00

77.00 25.60 0.02#

0.00 0.00 0.00

0.00 0.00 0.00

MD
5/11/21

Quantitation Report (Qedit)

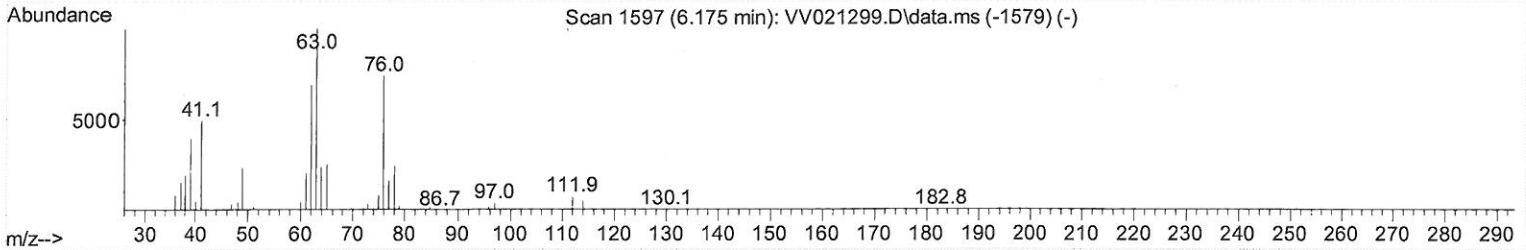
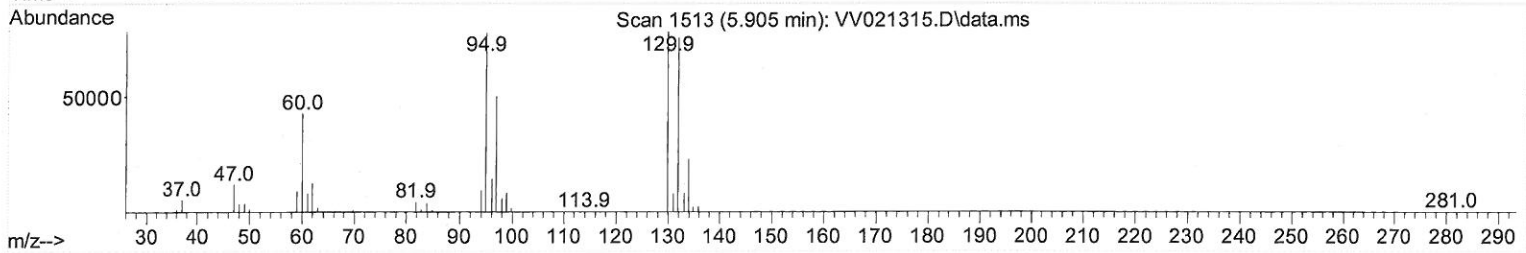
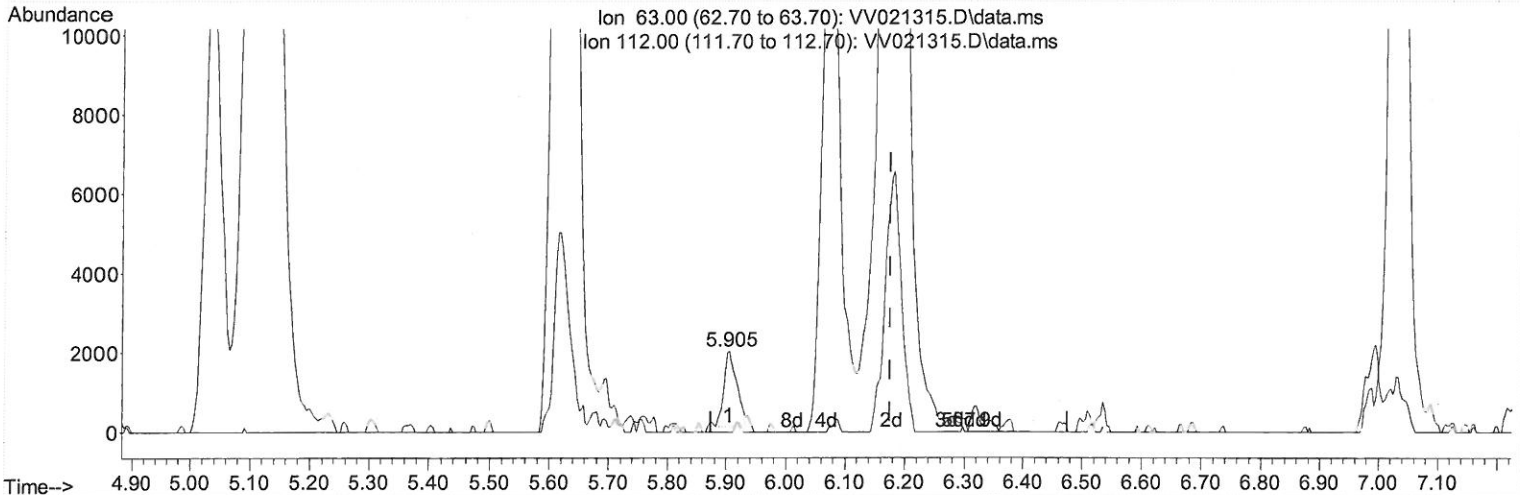
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050621\
 Data File : VV021315.D
 Acq On : 06 May 2021 18:47
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 1:12:29 PM

Quant Time: May 07 03:58:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 07 03:56:18 2021
 Response via : Initial Calibration



TIC: VV021315.D\data.ms

(37) 1,2-Dichloropropane (T)

5.905min (-0.270) 0.79 ug/L

response 2825

Ion	Exp%	Act%
63.00	100.00	100.00
112.00	4.90	4.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

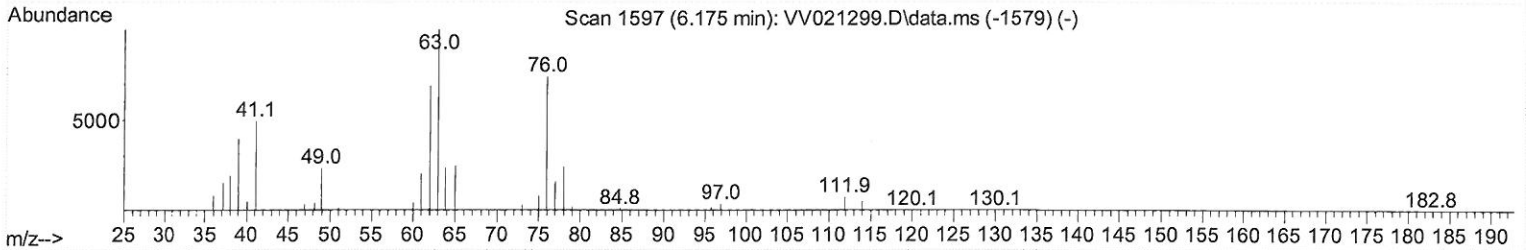
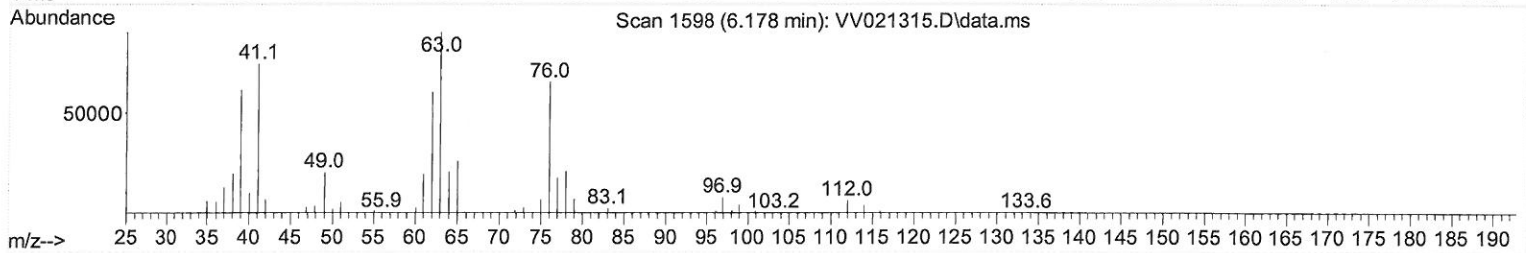
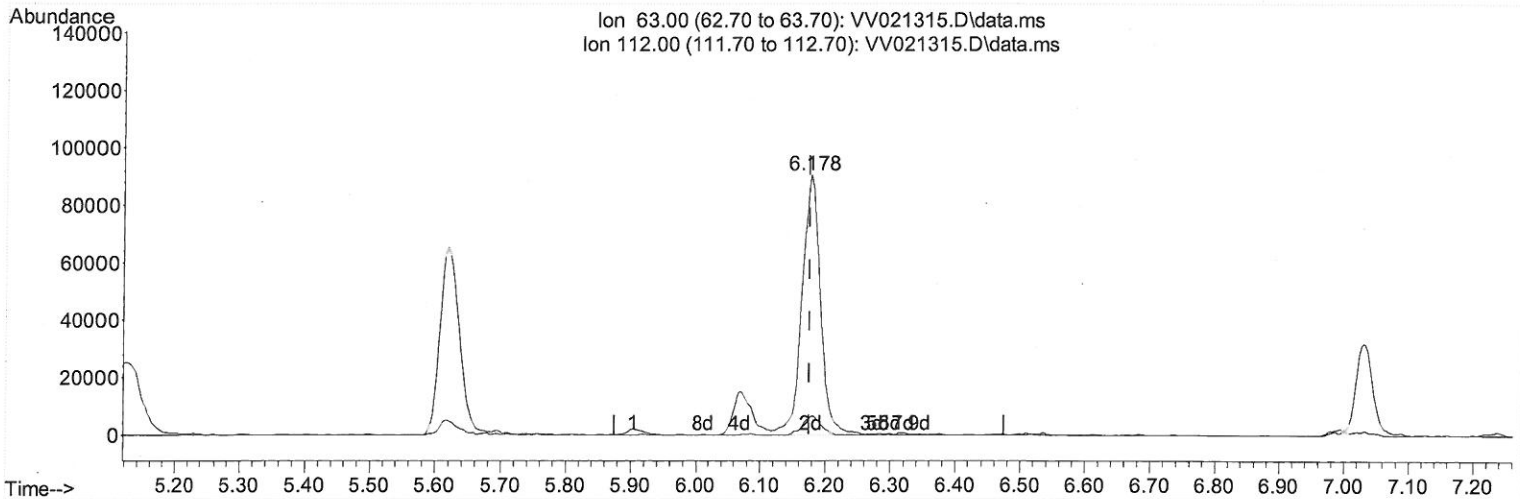
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050621\
 Data File : VV021315.D
 Acq On : 06 May 2021 18:47
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 1:12:29 PM

Quant Time: May 07 03:58:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 07 03:56:18 2021
 Response via : Initial Calibration



TIC: VV021315.D\data.ms

(37) 1,2-Dichloropropane (T)

6.178min (+ 0.003) 49.65 ug/L m

response 177964

Ion	Exp%	Act%
63.00	100.00	100.00
112.00	4.90	0.08#
0.00	0.00	0.00
0.00	0.00	0.00

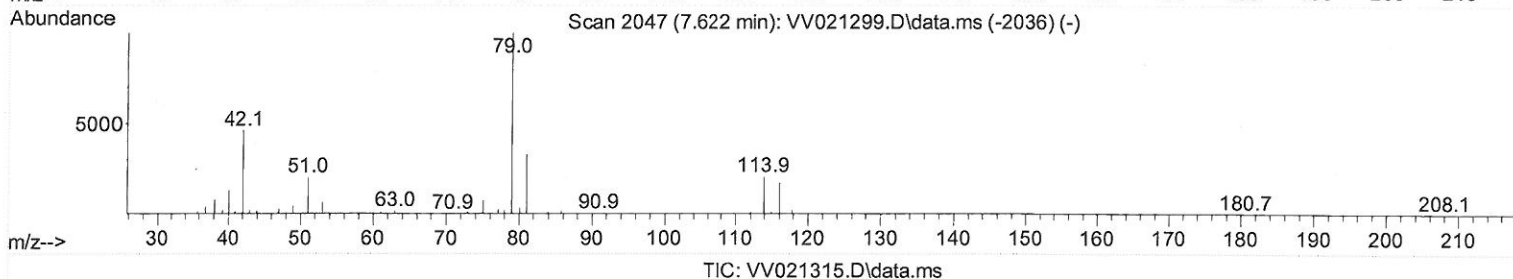
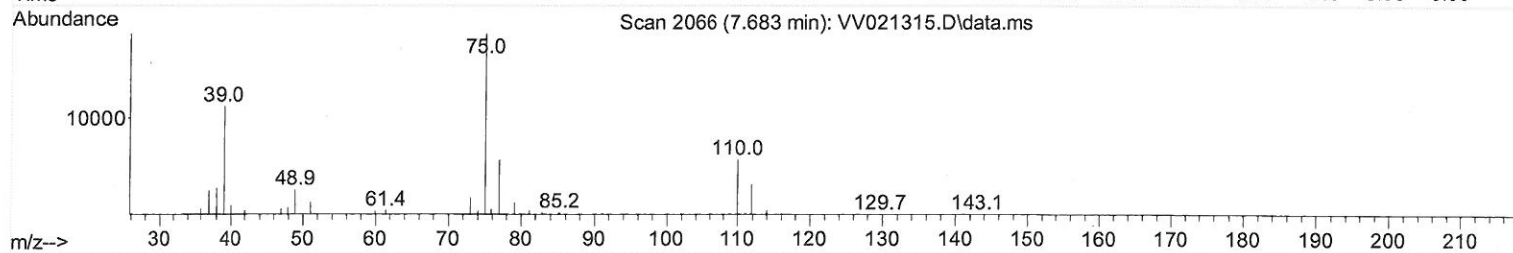
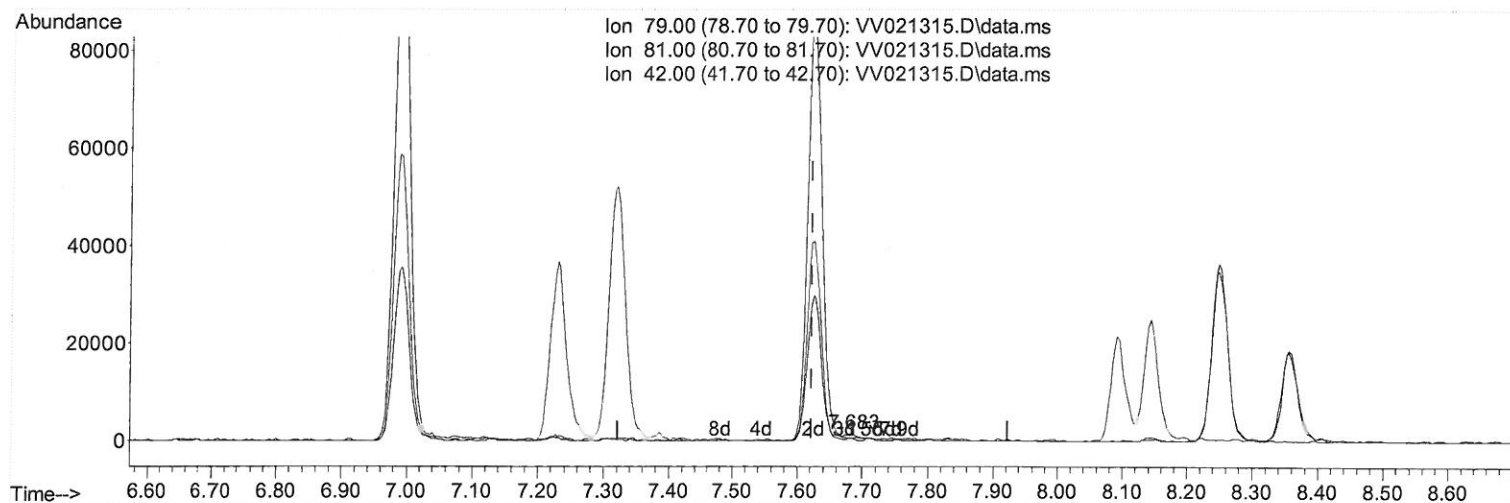
Handwritten signature: SY/MD
Handwritten date: 5/11/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050621\
Data File : VV021315.D
Acq On : 06 May 2021 18:47
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Manual Integrations
APPROVED

MMDadoda
5/11/2021 1:12:29 PM

Quant Time: May 07 03:58:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 07 03:56:18 2021
Response via : Initial Calibration



7.683min (+ 0.061) 0.51 ug/L

response 1484

Ion	Exp%	Act%
79.00	100.00	100.00
81.00	32.90	27.43
42.00	35.10	27.63
0.00	0.00	0.00

Quantitation Report (Qedit)

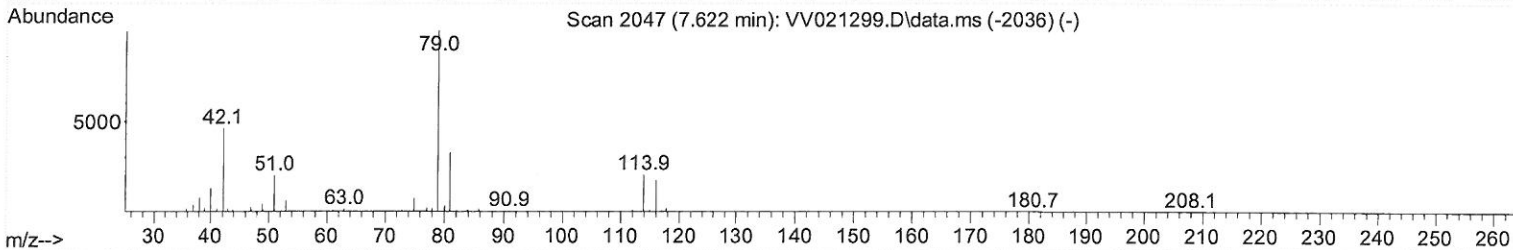
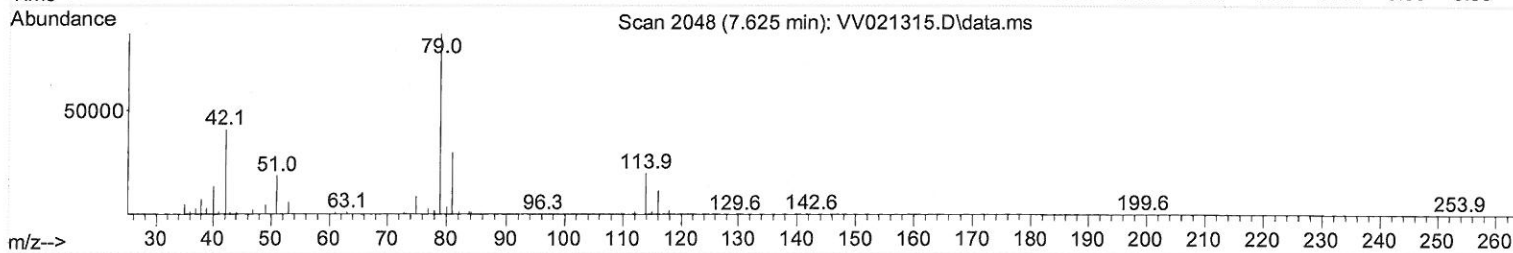
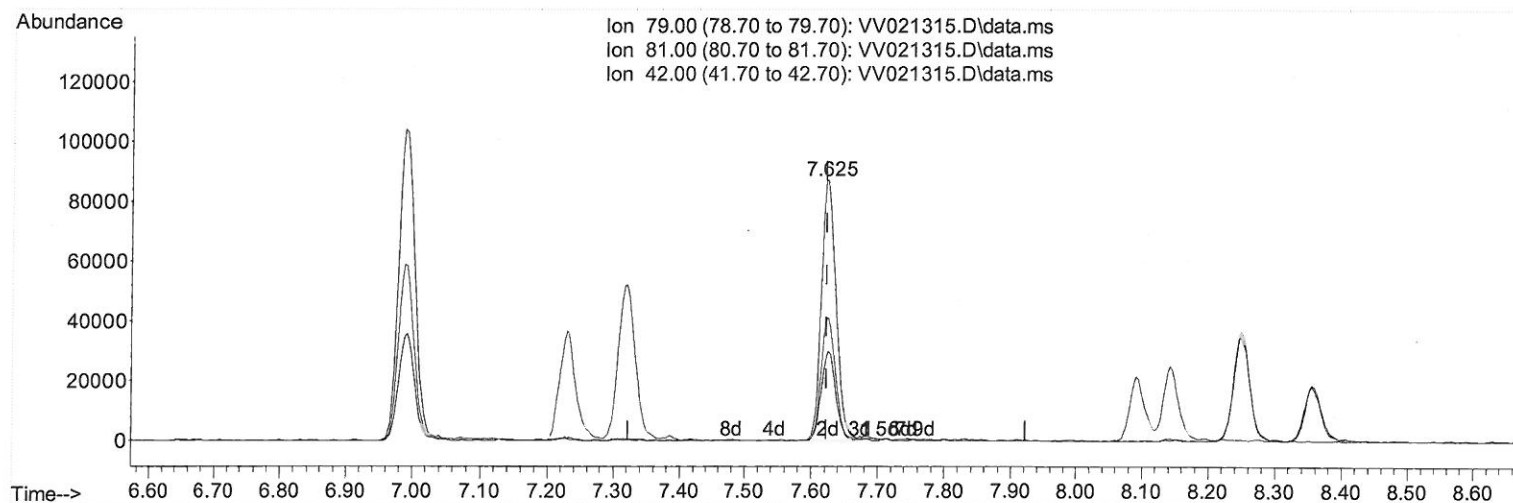
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050621\
 Data File : VV021315.D
 Acq On : 06 May 2021 18:47
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 1:12:29 PM

Quant Time: May 07 03:58:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 07 03:56:18 2021
 Response via : Initial Calibration



TIC: VV021315.D\data.ms

(43) trans-1,3-Dichloropropene-d4 (S)

7.625min (+ 0.003) 45.82 ug/L m

response 133769

Ion Exp% Act%

79.00 100.00 100.00

81.00 32.90 0.30#

42.00 35.10 0.31#

0.00 0.00 0.00

7/11/21
 5/11/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050621\
 Data File : VW021315.D
 Acq On : 06 May 2021 18:47
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 1:12:29 PM

Quant Time: May 07 03:58:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 07 03:56:18 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	680072	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	663513	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	384972	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	155833	51.66	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 103.32%			
7) Chloroethane-d5	1.568	69	133062	49.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.72%			
11) 1,1-Dichloroethene-d2	2.108	63	384829	45.73	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.46%			
21) 2-Butanone-d5	3.895	46	228689m	94.47	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 94.47%			
24) Chloroform-d	4.349	84	458409	47.74	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.48%			
26) 1,2-Dichloroethane-d4	5.034	65	324051	45.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.18%			
32) Benzene-d6	5.053	84	729885	47.76	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.52%			
36) 1,2-Dichloropropane-d6	6.072	67	174015	44.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 88.66%			
41) Toluene-d8	7.320	98	734469	46.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.76%			
43) trans-1,3-Dichloroprop...	7.625	79	133769m	45.82	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.64%			
47) 2-Hexanone-d5	8.091	63	175483	96.81	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.81%			
56) 1,1,2,2-Tetrachloroeth...	10.220	84	287108	45.71	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.42%			
66) 1,2-Dichlorobenzene-d4	11.631	152	342665	45.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.34%			

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.127	85	252665	46.02	ug/L 100
3) Chloromethane	1.243	50	149784	45.37	ug/L 96
5) Vinyl chloride	1.310	62	191988	46.66	ug/L 99
6) Bromomethane	1.523	94	157424	48.63	ug/L 98
8) Chloroethane	1.584	64	119830	45.09	ug/L 99
9) Trichlorofluoromethane	1.751	101	498999	46.24	ug/L 97
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	222827	46.77	ug/L 95
12) 1,1-Dichloroethene	2.117	96	191359	44.94	ug/L 95
13) Acetone	2.191	43	214491	74.97	ug/L 77
14) Carbon disulfide	2.294	76	471523	44.14	ug/L 97
15) Methyl Acetate	2.436	43	166423	48.16	ug/L 92
16) Methylene chloride	2.506	84	222454	51.00	ug/L 95
17) trans-1,2-Dichloroethene	2.760	96	201575	47.28	ug/L 96
18) Methyl tert-butyl Ether	2.770	73	769402	50.33	ug/L # 91
19) 1,1-Dichloroethane	3.191	63	357396	48.38	ug/L 96
20) cis-1,2-Dichloroethene	3.915	96	231532	49.39	ug/L 100
22) 2-Butanone	3.979	43	245315	89.83	ug/L 92
23) Bromochloromethane	4.249	128	131561	48.99	ug/L # 88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050621\
 Data File : VW021315.D
 Acq On : 06 May 2021 18:47
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 LabSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 1:12:29 PM

Quant Time: May 07 03:58:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 07 03:56:18 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.378	83	462244	47.52	ug/L	94
27) 1,2-Dichloroethane	5.133	62	425149	47.96	ug/L	96
29) Cyclohexane	4.680	56	258369	46.32	ug/L	83
30) 1,1,1-Trichloroethane	4.612	97	489180	47.18	ug/L	98
31) Carbon tetrachloride	4.831	117	446641	46.34	ug/L	99
33) Benzene	5.104	78	816676	48.11	ug/L	100
34) Trichloroethene	5.918	95	259341	47.48	ug/L	96
35) Methylcyclohexane	6.133	83	329866	46.24	ug/L	97
37) 1,2-Dichloropropane	6.178	63	177964m	49.65	ug/L	
38) Bromodichloromethane	6.513	83	357063	46.95	ug/L	99
39) cis-1,3-Dichloropropene	7.030	75	336067	48.05	ug/L	98
40) 4-Methyl-2-pentanone	7.230	43	520214	102.44	ug/L #	97
42) Toluene	7.390	91	974393	49.25	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	382301	50.11	ug/L	99
45) 1,1,2-Trichloroethane	7.844	97	222499	48.38	ug/L	94
46) Tetrachloroethene	7.979	164	220444	46.96	ug/L	97
48) 2-Hexanone	8.143	43	411009	100.75	ug/L	96
49) Dibromochloromethane	8.249	129	312655	47.92	ug/L	100
50) 1,2-Dibromoethane	8.355	107	251009	48.45	ug/L	98
51) Chlorobenzene	8.886	112	661362	48.36	ug/L	98
52) Ethylbenzene	9.017	91	1121345	49.06	ug/L	99
53) m,p-Xylene	9.143	106	433677	48.33	ug/L	96
54) o-Xylene	9.548	106	435531	50.35	ug/L	95
55) Styrene	9.564	104	755648	51.31	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.249	83	307510	49.46	ug/L #	99
59) Bromoform	9.734	173	243923	47.34	ug/L	99
60) Isopropylbenzene	9.937	105	1201357	48.84	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	301043	47.83	ug/L	94
62) 1,3,5-Trimethylbenzene	10.545	105	1058394	49.13	ug/L	100
63) 1,2,4-Trimethylbenzene	10.921	105	1080753	49.99	ug/L	95
64) 1,3-Dichlorobenzene	11.188	146	584282	48.92	ug/L	98
65) 1,4-Dichlorobenzene	11.278	146	582254	47.61	ug/L	96
67) 1,2-Dichlorobenzene	11.648	146	609909	50.56	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.435	75	108996	49.79	ug/L	96
69) 1,3,5-Trichlorobenzene	12.651	180	458203	49.54	ug/L	98
70) 1,2,4-trichlorobenzene	13.268	180	394702	52.42	ug/L	99
71) Naphthalene	13.509	128	1117659	54.04	ug/L	100
72) 1,2,3-Trichlorobenzene	13.750	180	407874	53.52	ug/L	98

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