

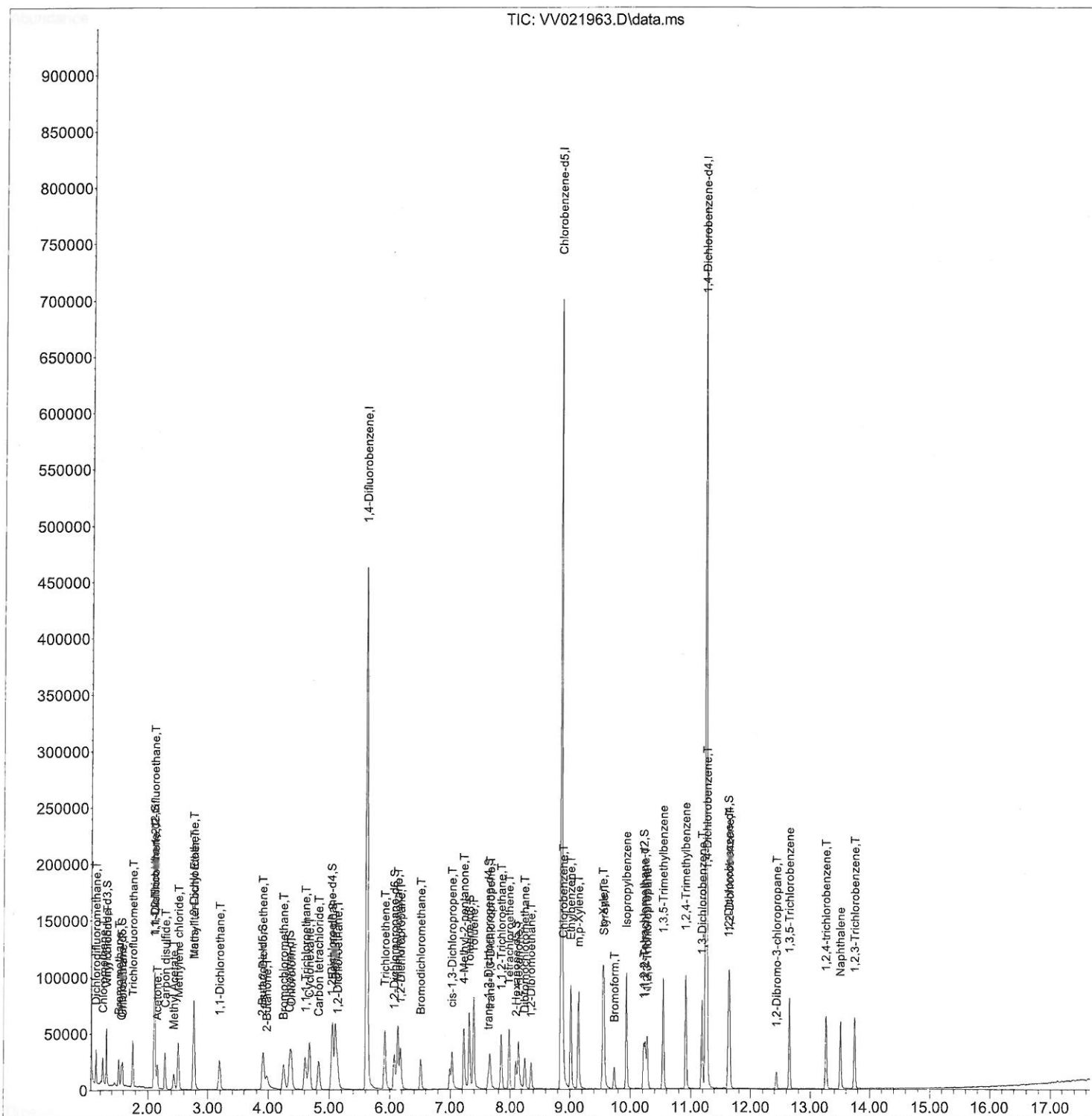
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082721\
Data File : VV021963.D
Acq On : 27 Aug 2021 09:30
Operator : SY/MD
Sample : VSTD00545
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005245

Manual Integrations
APPROVED

MMDadoda
8/30/2021 10:21:43 AM

Quant Time: Aug 28 02:05:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 28 02:05:13 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082721\
 Data File : VV021963.D
 Acq On : 27 Aug 2021 09:30
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 Sample : VSTD00545
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

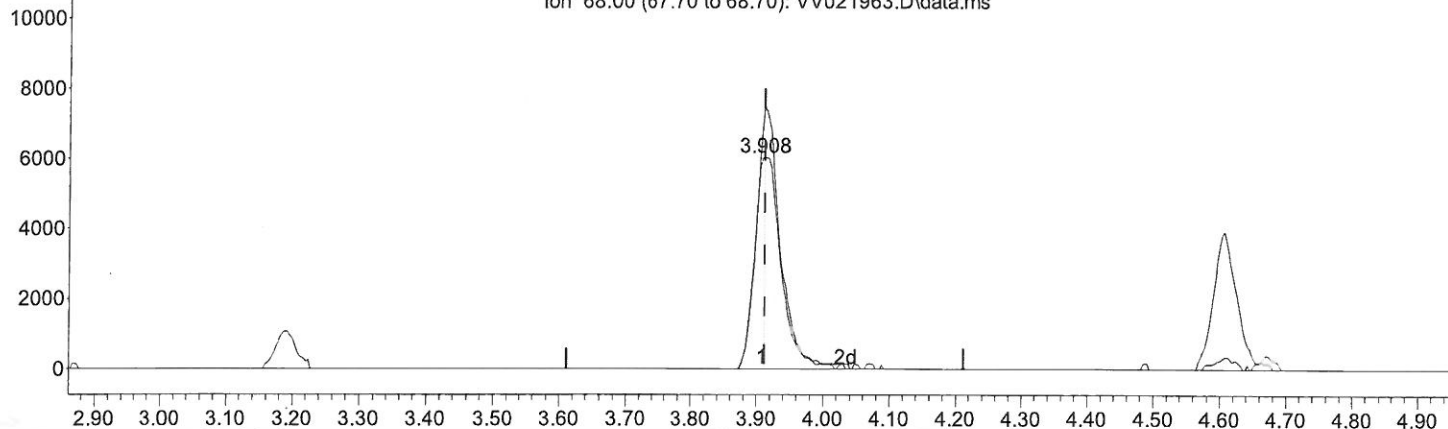
Instrument :
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 VSTD005245

Manual Integrations
 APPROVED

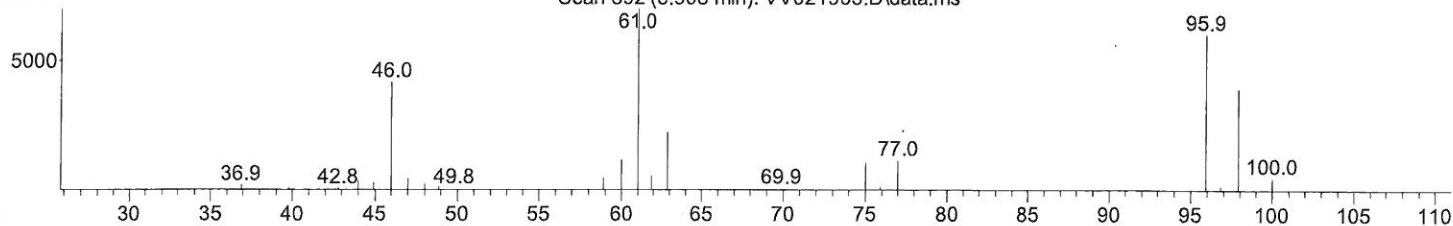
MMDadoda
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
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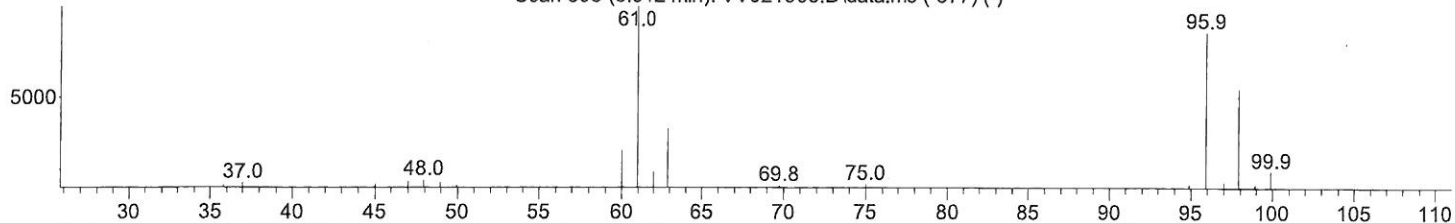
Ion 96.00 (95.70 to 96.70): VV021963.D\data.ms
 Ion 61.00 (60.70 to 61.70): VV021963.D\data.ms
 Ion 68.00 (67.70 to 68.70): VV021963.D\data.ms



Scan 892 (3.908 min): VV021963.D\data.ms



Scan 893 (3.912 min): VV021965.D\data.ms (-877) (-)



TIC: VV021963.D\data.ms

(20) cis-1,2-Dichloroethene (T)

3.908min (-0.003) 2.05 ug/L

response 6844

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	116.90	115.70
68.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

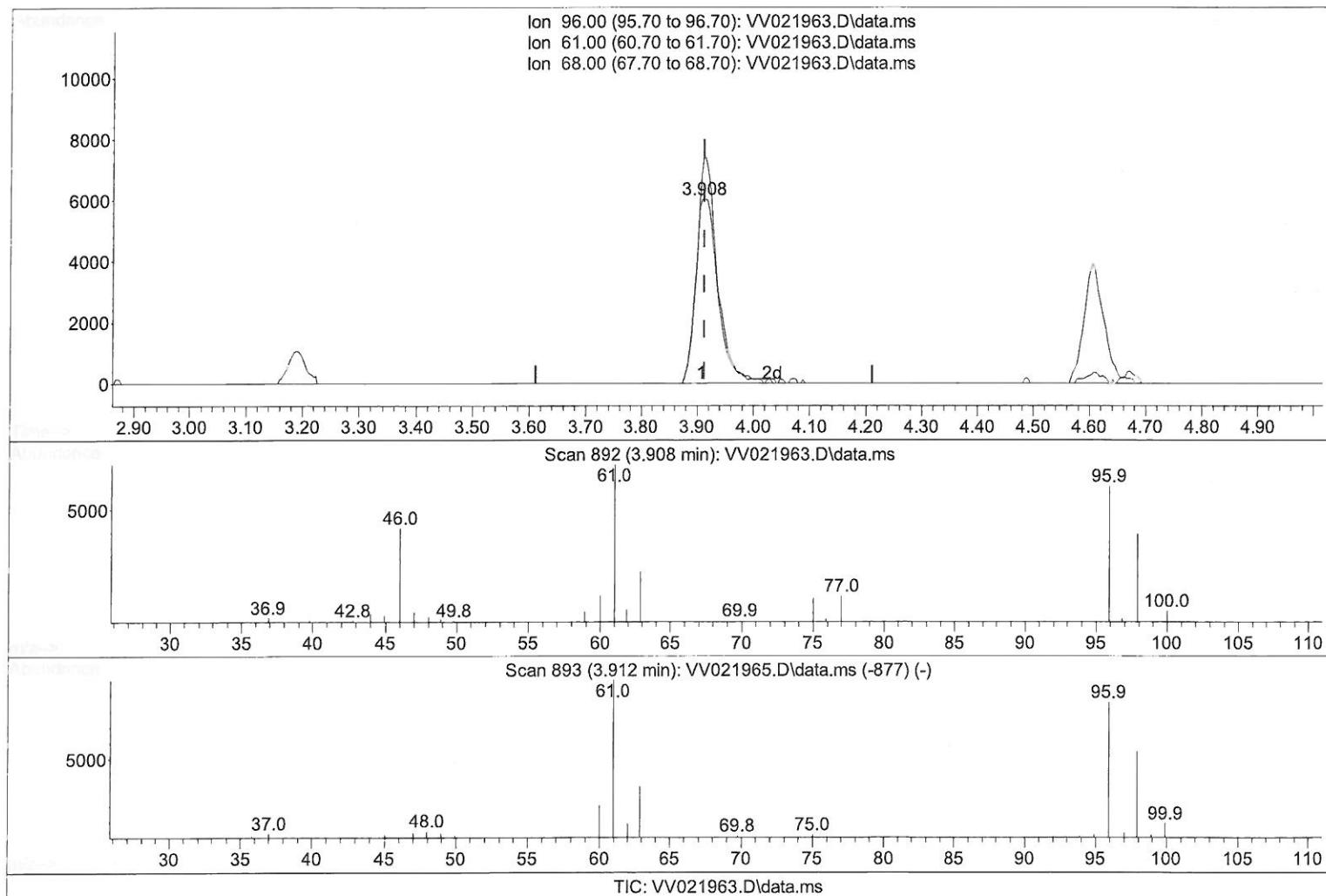
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082721\
Data File : VV021963.D
Acq On : 27 Aug 2021 09:30
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Sample : VSTD00545
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Manual Integrations
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Quant Title : VOC Analysis
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Response via : Initial Calibration



(20) cis-1,2-Dichloroethene (T)

3.908min (-0.003) 5.01 ug/L m

response 16733

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	116.90	115.70
68.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

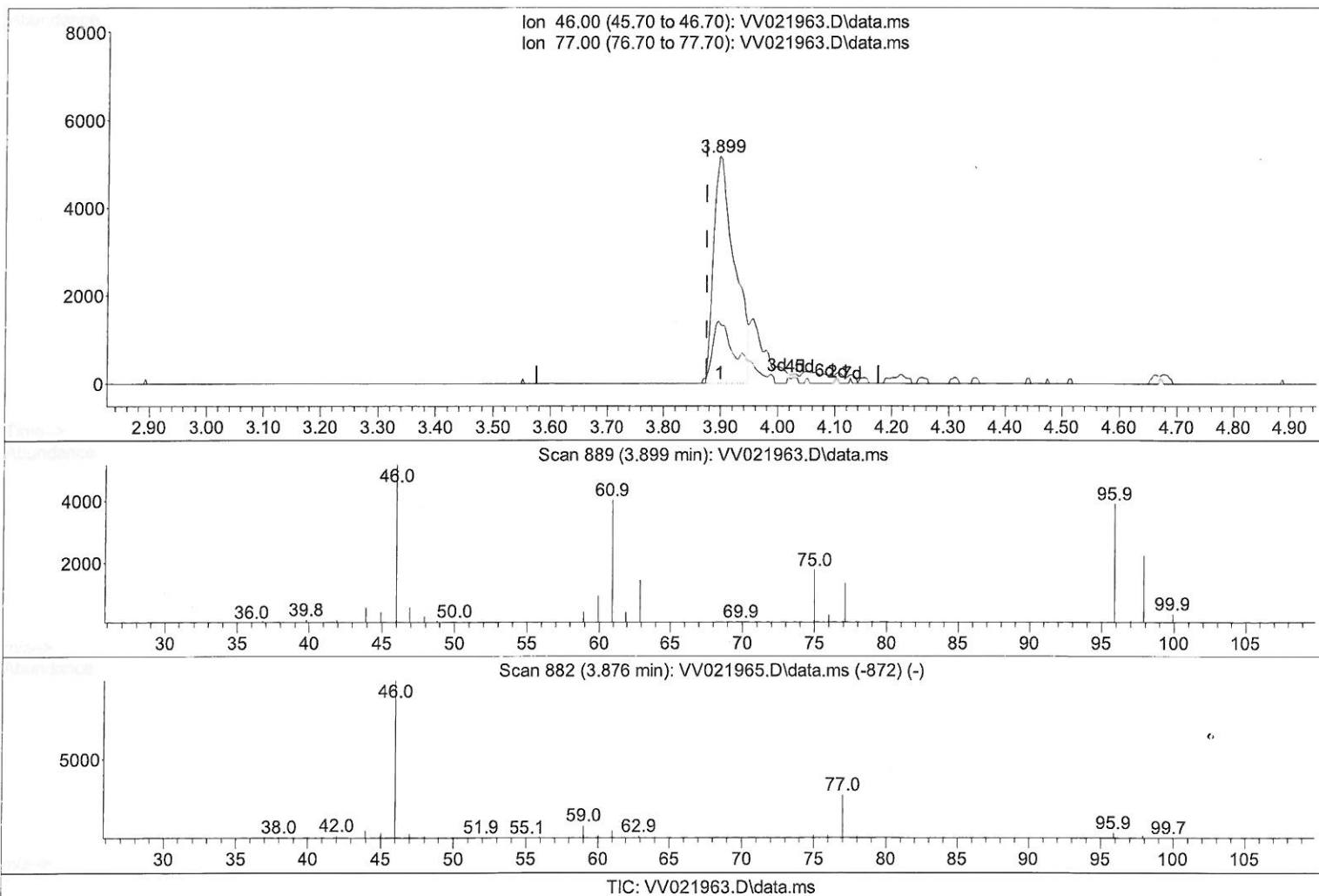
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082721\
 Data File : VV021963.D
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(21) 2-Butanone-d5 (S)

3.899min (+ 0.023) 6.06 ug/L

response 13105

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	26.70	23.98
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

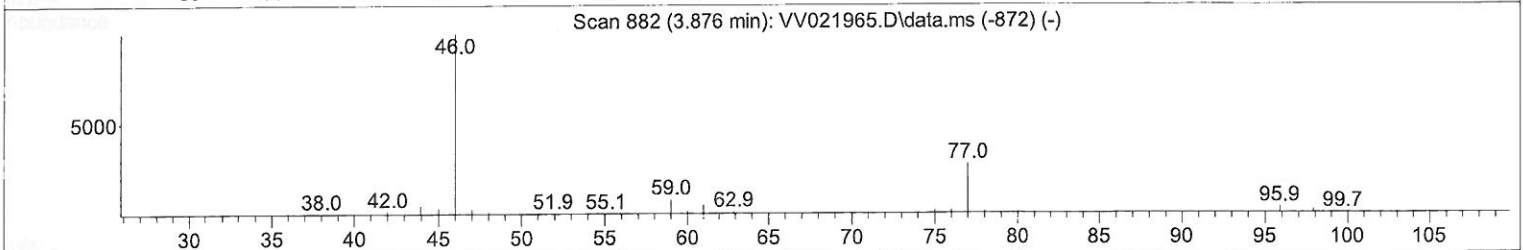
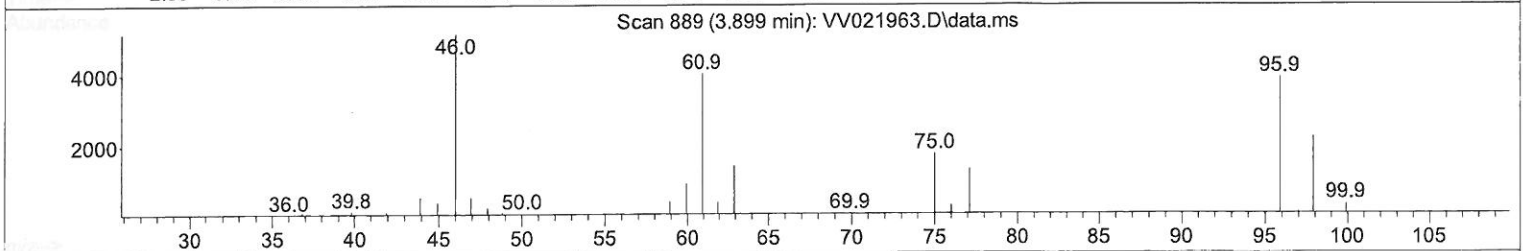
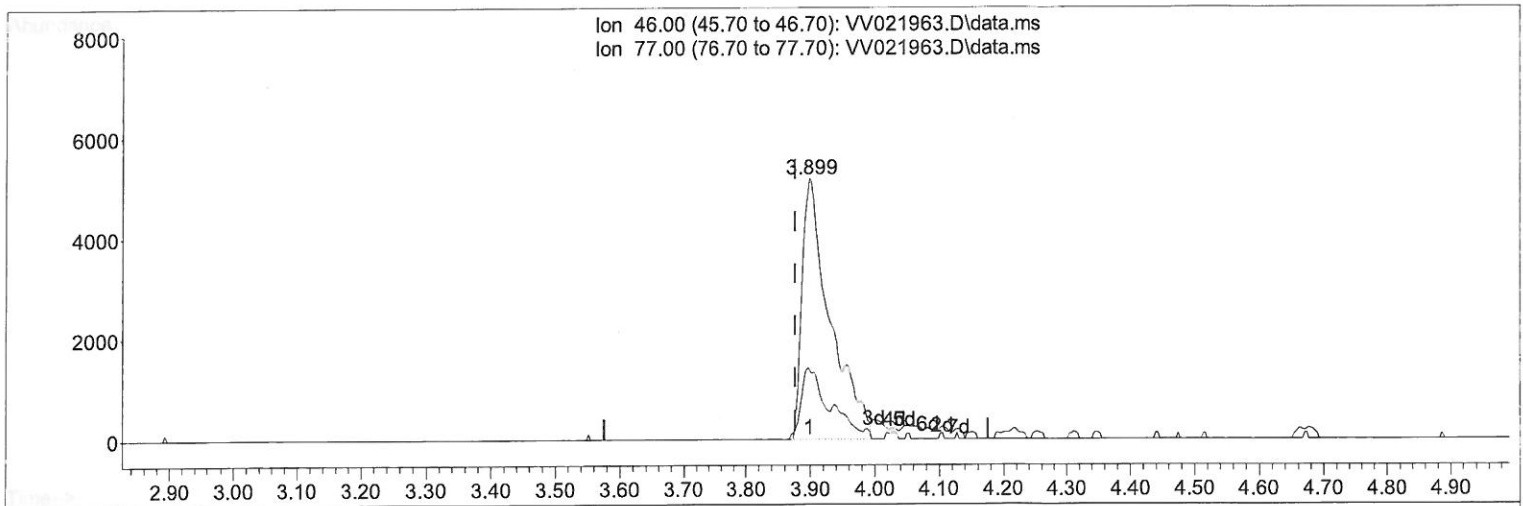
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082721\
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TIC: VV021963.D\data.ms

(21) 2-Butanone-d5 (S)

3.899min (+ 0.023) 7.20 ug/L m

response 15581

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	26.70	20.17
0.00	0.00	0.00
0.00	0.00	0.00

MD
9/10/21

Quantitation Report (Qedit)

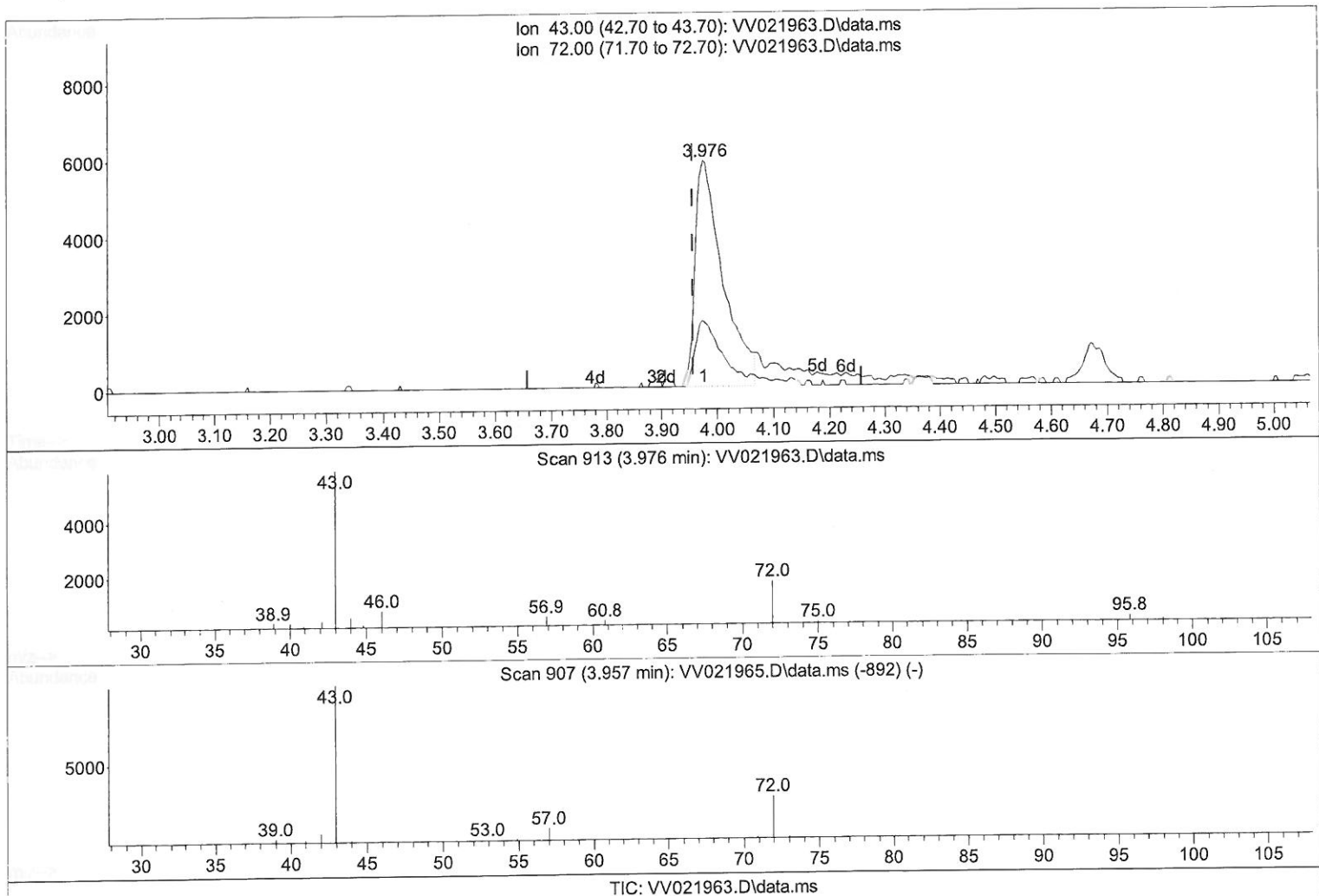
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082721\
 Data File : VV021963.D
 Acq On : 27 Aug 2021 09:30
 Operator : SY/MD
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Manual Integrations
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(22) 2-Butanone (T)

3.976min (+ 0.019) 8.54 ug/L

response 20298

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.50	26.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

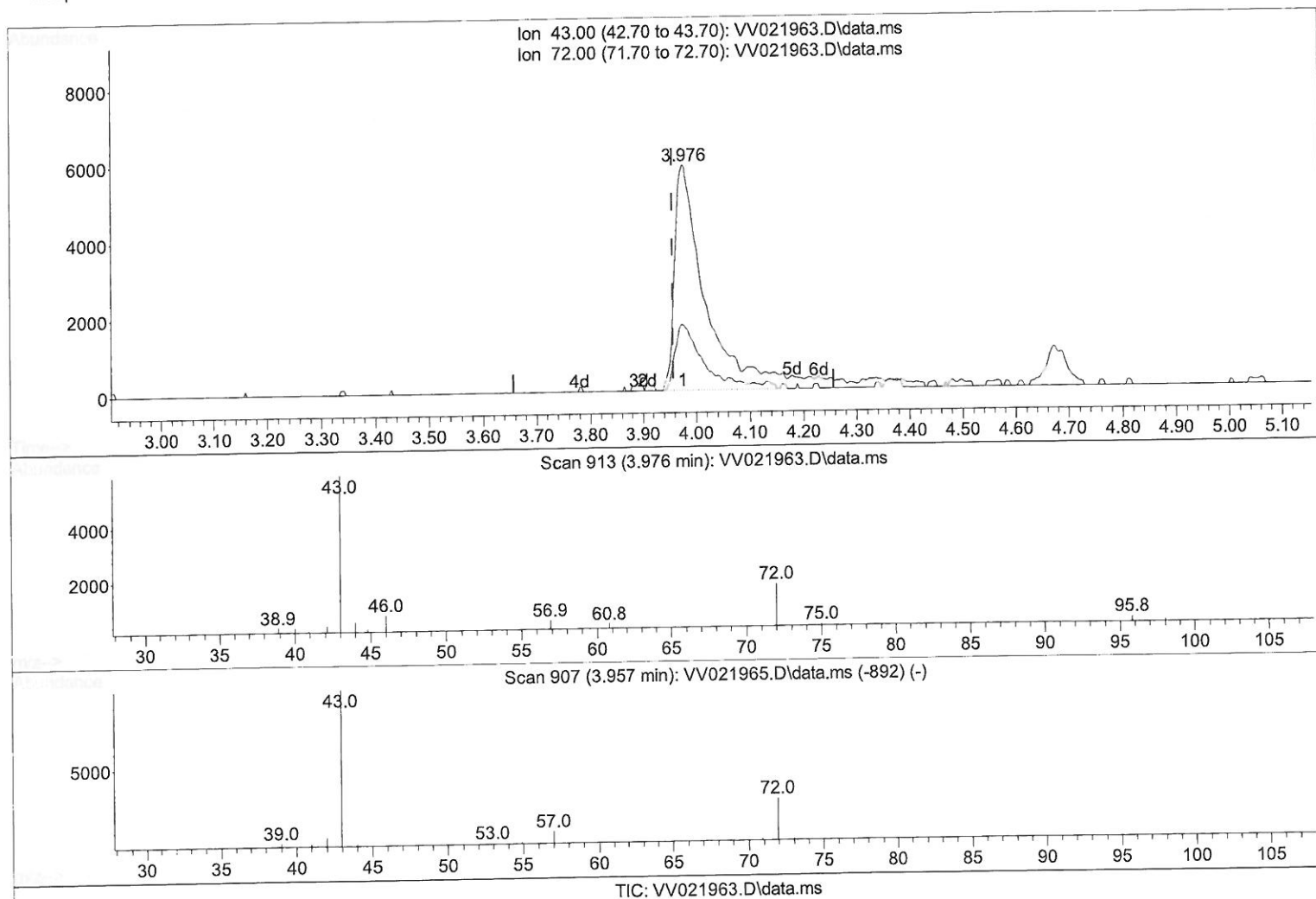
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082721\
Data File : VV021963.D
Acq On : 27 Aug 2021 09:30
Operator : SY/MD
Sample : VSTD00545
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005245

Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
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Response via : Initial Calibration



(22) 2-Butanone (T)

3.976min (+ 0.019) 9.69 ug/L m

response 23046

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.50	23.11
0.00	0.00	0.00
0.00	0.00	0.00

7 MD
9/10/21

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082721\
 Data File : VV021963.D
 Acq On : 27 Aug 2021 09:30
 Operator : SY/MD
 Sample : VSTD00545
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

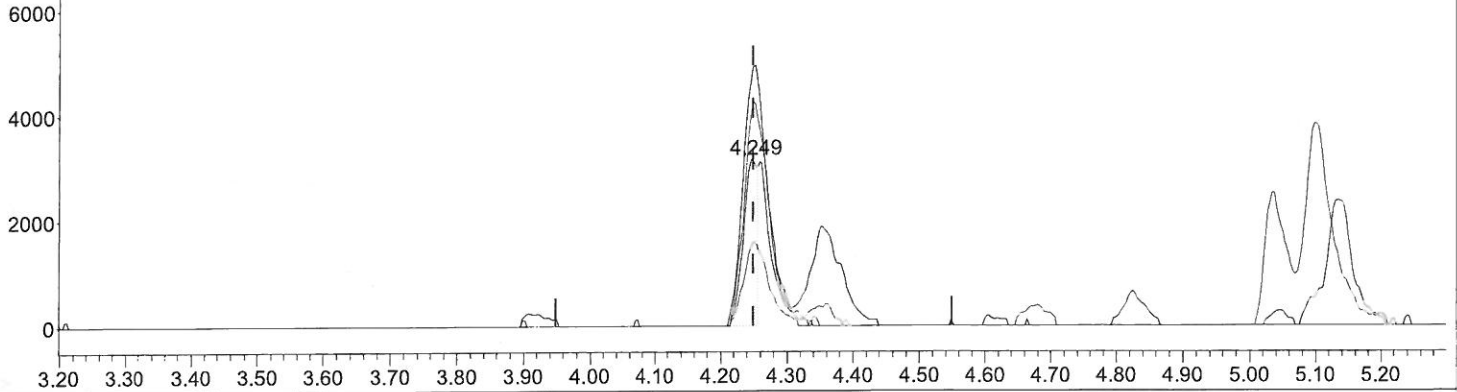
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005245

Manual Integrations
 APPROVED

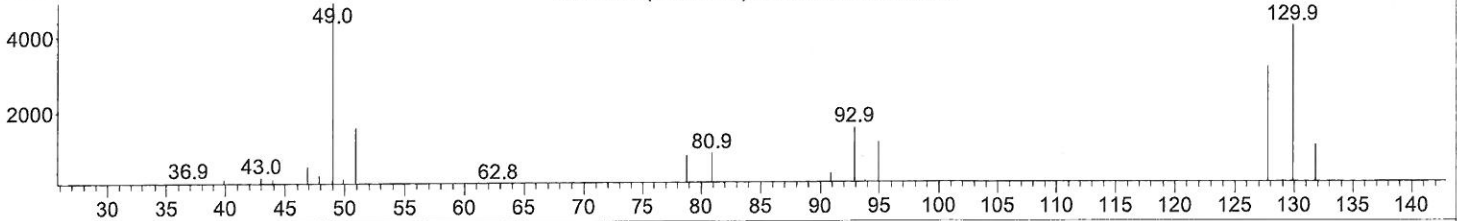
MMDadoda
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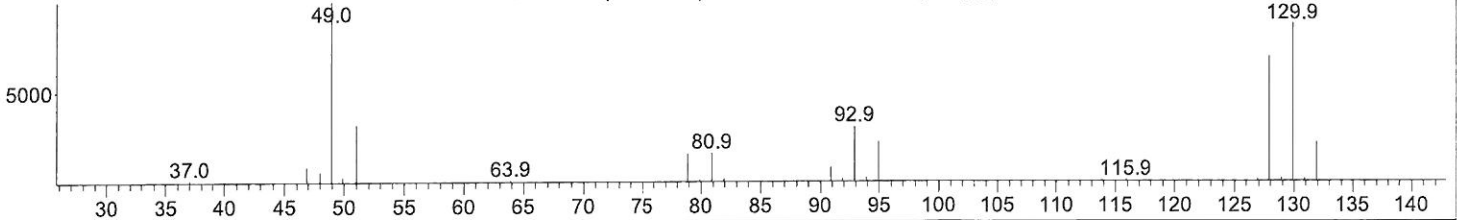
Ion 128.00 (127.70 to 128.70): VV021963.D\data.ms
 Ion 49.00 (48.70 to 49.70): VV021963.D\data.ms
 Ion 130.00 (129.70 to 130.70): VV021963.D\data.ms
 Ion 51.00 (50.70 to 51.70): VV021963.D\data.ms



Scan 998 (4.249 min): VV021963.D\data.ms



Scan 998 (4.249 min): VV021965.D\data.ms (-983) (-)



TIC: VV021963.D\data.ms

(23) Bromochloromethane (T)

4.249min (+ 0.000) 2.64 ug/L

response 4674

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	145.20	155.49
130.00	126.40	134.74
51.00	45.90	50.05

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082721\
Data File : VV021963.D
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Operator : SY/MD
Sample : VSTD00545
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

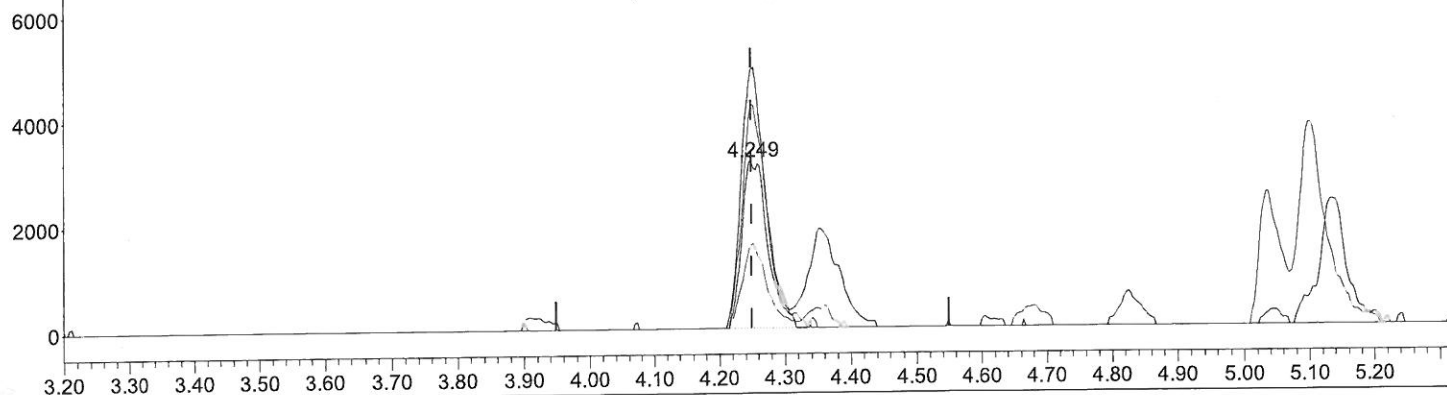
Instrument :
MSVOA_V
ClientSampleId :
VSTD005245

Manual Integrations
APPROVED

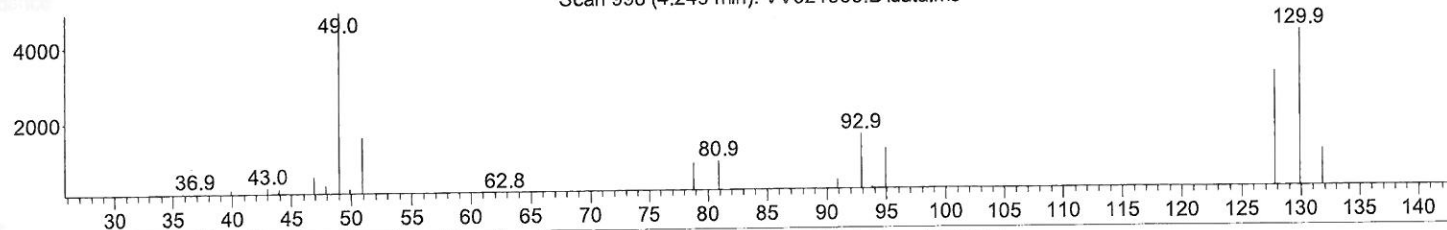
MMDadoda
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Quant Title : VOC Analysis
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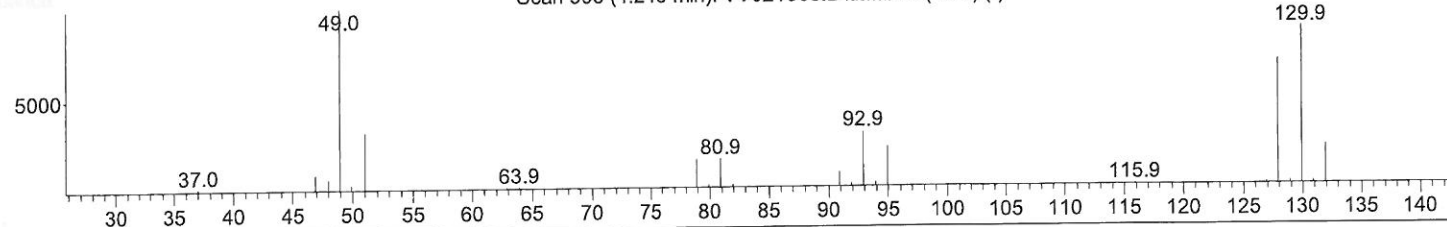
Ion 128.00 (127.70 to 128.70): VV021963.D\data.ms
Ion 49.00 (48.70 to 49.70): VV021963.D\data.ms
Ion 130.00 (129.70 to 130.70): VV021963.D\data.ms
Ion 51.00 (50.70 to 51.70): VV021963.D\data.ms



Scan 998 (4.249 min): VV021963.D\data.ms



Scan 998 (4.249 min): VV021965.D\data.ms (-983) (-)



TIC: VV021963.D\data.ms

(23) Bromochloromethane (T)

4.249min (+ 0.000) 4.90 ug/L m

response 8686

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	145.20	155.49
130.00	126.40	134.74
51.00	45.90	50.05

MD
9/10/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082721\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	426185	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	405155	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	214846	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	14268	4.319	ug/L	0.00
7) Chloroethane-d5	1.564	69	11446	4.554	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	24549	4.682	ug/L	0.00
21) 2-Butanone-d5	3.899	46	15581m	7.204	ug/L	0.02
24) Chloroform-d	4.349	84	24359	4.217	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.037	65	14536	4.348	ug/L	0.00
32) Benzene-d6	5.053	84	50782	4.347	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.072	67	16527	4.551	ug/L	0.00
41) Toluene-d8	7.320	98	48298	4.462	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.629	79	7107	3.994	ug/L	0.00
47) 2-Hexanone-d5	8.101	63	8534	6.807	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.220	84	17944	3.942	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.628	152	20656	4.624	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	15407	4.879	ug/L	99
3) Chloromethane	1.243	50	16346	4.962	ug/L	99
5) Vinyl chloride	1.310	62	16256	4.989	ug/L	97
6) Bromomethane	1.519	94	9982	5.129	ug/L	99
8) Chloroethane	1.581	64	10255	5.231	ug/L	99
9) Trichlorofluoromethane	1.751	101	23152	5.168	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	14005	5.433	ug/L	97
12) 1,1-Dichloroethene	2.118	96	13017	5.307	ug/L	85
13) Acetone	2.159	43	19056	11.508	ug/L #	73
14) Carbon disulfide	2.291	76	37360	4.658	ug/L	99
15) Methyl Acetate	2.429	43	16439	5.343	ug/L	99
16) Methylene chloride	2.503	84	17494	5.116	ug/L	97
17) trans-1,2-Dichloroethene	2.761	96	14862	5.166	ug/L	98
18) Methyl tert-butyl Ether	2.767	73	46827	5.259	ug/L	96
19) 1,1-Dichloroethane	3.188	63	26864	5.254	ug/L	95
20) cis-1,2-Dichloroethene	3.908	96	16733m	5.014	ug/L	
22) 2-Butanone	3.976	43	23046m	9.691	ug/L	
23) Bromochloromethane	4.249	128	8686m	4.899	ug/L	
25) Chloroform	4.375	83	28704	5.187	ug/L	98
27) 1,2-Dichloroethane	5.137	62	18452	4.754	ug/L	97
29) Cyclohexane	4.677	56	22660	4.736	ug/L	98
30) 1,1,1-Trichloroethane	4.609	97	23565	4.796	ug/L	100
31) Carbon tetrachloride	4.828	117	20146	4.743	ug/L	98
33) Benzene	5.098	78	60202	4.984	ug/L	100
34) Trichloroethene	5.918	95	17776	5.110	ug/L	98
35) Methylcyclohexane	6.130	83	25409	5.050	ug/L	96
37) 1,2-Dichloropropane	6.178	63	15412	5.012	ug/L #	91
38) Bromodichloromethane	6.513	83	18617	4.609	ug/L	98
39) cis-1,3-Dichloropropene	7.031	75	20605	4.219	ug/L	94
40) 4-Methyl-2-pentanone	7.230	43	37631	8.843	ug/L	100
42) Toluene	7.391	91	62916	4.866	ug/L	98

MD
 9/10/21

MD
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.657	75	19622	4.293	ug/L	96
45) 1,1,2-Trichloroethane	7.844	97	15550	5.039	ug/L	96
46) Tetrachloroethene	7.979	164	13317	5.144	ug/L	97
48) 2-Hexanone	8.143	43	27232	8.280	ug/L	98
49) Dibromochloromethane	8.249	129	15303	4.528	ug/L	95
50) 1,2-Dibromoethane	8.355	107	16535	4.915	ug/L	100
51) Chlorobenzene	8.886	112	42801	5.041	ug/L	100
52) Ethylbenzene	9.014	91	67627	4.893	ug/L	98
53) m,p-Xylene	9.143	106	25907	4.823	ug/L	96
54) o-Xylene	9.545	106	26401	4.978	ug/L	97
55) Styrene	9.564	104	42818	4.799	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.246	83	19569	4.511	ug/L	95
59) Bromoform	9.735	173	9704	3.977	ug/L	99
60) Isopropylbenzene	9.934	105	67044	4.800	ug/L	98
61) 1,2,3-Trichloropropane	10.275	75	18907	4.882	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	54378	4.641	ug/L	98
63) 1,2,4-Trimethylbenzene	10.918	105	54807	4.607	ug/L	96
64) 1,3-Dichlorobenzene	11.185	146	34824	5.118	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	36864	5.400	ug/L	97
67) 1,2-Dichlorobenzene	11.644	146	35060	5.117	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.432	75	3247	3.450	ug/L	98
69) 1,3,5-Trichlorobenzene	12.648	180	25184	5.079	ug/L	99
70) 1,2,4-trichlorobenzene	13.265	180	20580	4.914	ug/L	97
71) Naphthalene	13.506	128	48391	3.975	ug/L	99
72) 1,2,3-Trichlorobenzene	13.747	180	19636	4.677	ug/L	98

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