LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Title : VOC Analysis

Signal : TIC: VV021332.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.217	49	55	62	rBV	122640	110507	1.02%	0.250%
2	1.307	76	83	91	rBV	801730	792226	7.28%	1.792%
3	1.568	157	164	175	rBV	221731	256892	2.36%	0.581%
4	1.635	175	185	203	rVV	2076347	2526001	23.21%	5.713%
5	1.806	231	238	251	rVB3	53216	73750	0.68%	0.167%
6	2.108	321	332	354	rBV3	569424	1075701	9.88%	2.433%
7	2.285	384	387	391	rBV7	2034	1756	0.02%	0.004%
8	2.394	414	421	425	rBV5	1684	2110	0.02%	0.005%
9	2.500	439	454	461	rBV2	400484	835073	7.67%	1.889%
10	2.654	498	502	503	rBV4	2549	1741	0.02%	0.004%
11	2.767	521	537	565	rVB3	5233235	10883329	100.00%	24.614%
12	3.053	620	626	634	rVB8	3324	4422	0.04%	0.010%
13	3.281	684	697	704	rBV4	9972	18195	0.17%	0.041%
14	3.362	717	722	732	rBV4	5712	10042	0.09%	0.023%
15	3.426	737	742	744	rBV3	2817	2150	0.02%	0.005%
16	3.545	761	779	796	rBV4	69873	191751	1.76%	0.434%
17	3.671	805	818	834	rVV3	168249	410244	3.77%	0.928%
18	3.767	836	848	866	rVB2	118676	277347	2.55%	0.627%
19	3.912	879	893	922	rVB3	157985	540691	4.97%	1.223%
20	4.137	958	963	965	rBV6	2985	3072	0.03%	0.007%
21	4.214	984	987	989	rBV4	2997	2067	0.02%	0.005%
22	4.243	990	996	997	rBV5	3124	2785	0.03%	0.006%
23	4.349	1015	1029	1044	rBV3	429299	1111959	10.22%	2.515%
24	4.593	1092	1105	1106	rBV8	12303	16871	0.16%	0.038%
25	4.680	1120	1132	1143	rBV4	60066	137449	1.26%	0.311%
26	4.767	1145	1159	1186	rVB3	458327	1175232	10.80%	2.658%
27	4.950	1191	1216	1230	rBV7	160021	475142	4.37%	1.075%
28	5.050	1231	1247	1272	rBV3	899682	2403803	22.09%	5.437%
29	5.182	1276	1288	1297	rBV4	380162	844886	7.76%	1.911%
30	5.478	1377	1380	1382	rBV4	4544	3065	0.03%	0.007%
31	5.619	1413	1424	1459	rBV	810688	1762647	16.20%	3.987%
32	5.924	1504	1519	1535	rBV	91292	251335	2.31%	0.568%
33	6.076	1554	1566	1594	rVB5	497780	1343492	12.34%	3.039%
34	6.204	1594	1606	1614	rBV4	138118	273357	2.51%	0.618%
35	6.259	1615	1623	1635	rVB3	191308	354781	3.26%	0.802%
36	6.465	1672	1687	1701	rVB5	171629	402890	3.70%	0.911%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Title : VOC Analysis

37	6.542	1701	1711	1715	rBV5	26181	44069	0.40%	0.100%
38	6.658	1730	1747	1767	rVB5	212331	582732	5.35%	1.318%
39	6.780	1767	1785	1797	rBV4	208705	479529	4.41%	1.085%
40	6.992	1832	1851	1861	rBV2	367768	785337	7.22%	1.776%
41	7.268	1923	1937	1943	rBV5	241062	467138	4.29%	1.057%
42	7.320	1944	1953	1968	rVB	1190915	2082082	19.13%	4.709%
43	7.445	1986	1992	1999	rBV6	57854	86269	0.79%	0.195%
44	7.625	2042	2048	2055	rBV	191637	281107	2.58%	0.636%
45	7.793	2093	2100	2108	rVB3	113909	174515	1.60%	0.395%
46	7.847	2109	2117	2142	rVB2	199787	419043	3.85%	0.948%
47	8.092	2183	2193	2205	rBV	568511	1025829	9.43%	2.320%
48	8.513	2316	2324	2342	rVB7	119049	247893	2.28%	0.561%
49	8.596	2345	2350	2355	rBV5	38941	53939	0.50%	0.122%
50	8.857	2421	2431	2450	rBV	1275002	2059724	18.93%	4.658%
51	9.416	2601	2605	2608	rBV5	6395	7141	0.07%	0.016%
52	9.944	2759	2769	2775	rBV5	26244	52116	0.48%	0.118%
53	10.220	2845	2855	2872	rVB	773498	1226156	11.27%	2.773%
54	10.738	3011	3016	3024	rBV	11889	17289	0.16%	0.039%
55	10.857	3049	3053	3055	rBV5	6895	6297	0.06%	0.014%
56	11.063	3108	3117	3124	rBV2	97396	158071	1.45%	0.358%
57	11.255	3166	3177	3202	rVB	1366077	2168344	19.92%	4.904%
58	11.371	3206	3213	3215	rBV7	13710	16502	0.15%	0.037%
59	11.529	3258	3262	3265	rBV6	6784	6175	0.06%	0.014%
60	11.632	3282	3294	3312	rVB	1417080	2293702	21.08%	5.188%
61	11.751	3324	3331	3343	rVV5	35634	52000	0.48%	0.118%
62	11.825	3347	3354	3368	rVB3	22374	37896	0.35%	0.086%
63	11.995	3401	3407	3415	rBV9	10928	17380	0.16%	0.039%
64	12.120	3439	3446	3454	rVV6	12964	20653	0.19%	0.047%
65	12.201	3468	3471	3480	rVB7	13142	16355	0.15%	0.037%
66	12.304	3497	3503	3512	rVB5	29854	45673	0.42%	0.103%
67	12.390	3523	3530	3538	rVB6	32036	45677	0.42%	0.103%
68	12.558	3574	3582	3595	rVB4	48122	70707	0.65%	0.160%
69	12.689	3606	3623	3636	rVV6	60216	146772	1.35%	0.332%
70	12.767	3638	3647	3656	rVB2	51592	78330	0.72%	0.177%
71	12.831	3664	3667	3672	rBV5	5972	6004	0.06%	0.014%
72	12.966	3700	3709	3715	rVB5	25065	40836	0.38%	0.092%
73	13.008	3715	3722	3732	rBV4	23825	38258	0.35%	0.087%
74	13.172	3770	3773	3775	rBV4	3674	2775	0.03%	0.006%
75	13.275	3800	3805	3811	rBV8	8487	11491	0.11%	0.026%
76	13.316	3811	3818	3824	rBV4	30730	49175	0.45%	0.111%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Title : VOC Analysis

77	13.410	3840	3847	3861	rVB6	20225	31835	0.29%	0.072%
78	13.503	3866	3876	3884	rVB6	10531	19908	0.18%	0.045%
79	13.554	3887	3892	3898	rBV9	5932	9701	0.09%	0.022%
80	13.615	3906	3911	3912	rBV5	6331	5003	0.05%	0.011%
81	13.680	3927	3931	3934	rBV6	3454	2989	0.03%	0.007%
82	13.712	3934	3941	3948	rBV8	13102	22250	0.20%	0.050%
83	13.860	3985	3987	3994	rVB5	3163	2523	0.02%	0.006%
84	13.902	3994	4000	4004	rBV9	4378	4594	0.04%	0.010%
85	14.008	4026	4033	4036	rBV7	5881	7161	0.07%	0.016%
86	14.107	4055	4064	4065	rBV8	11471	13675	0.13%	0.031%
87	14.239	4098	4105	4115	rBV3	24424	36859	0.34%	0.083%
88	14.307	4119	4126	4137	rVB6	16609	25263	0.23%	0.057%
89	14.513	4184	4190	4192	rBV5	4105	3692	0.03%	0.008%
90	14.580	4207	4211	4215	rBV7	2910	2904	0.03%	0.007%
91	14.622	4219	4224	4232	rVB7	5516	7433	0.07%	0.017%
92	14.664	4234	4237	4240	rBV5	2577	1888	0.02%	0.004%
93	14.699	4245	4248	4252	rBV6	2547	2190	0.02%	0.005%
94	14.828	4286	4288	4294	rVB6	2570	2506	0.02%	0.006%
95	15.072	4357	4364	4367	rBV8	1800	2070	0.02%	0.005%
96	15.506	4494	4499	4502	rBV6	2053	2160	0.02%	0.005%
97	15.625	4530	4536	4538	rBV6	1774	1860	0.02%	0.004%
98	15.927	4625	4630	4632	rBV5	3926	3518	0.03%	0.008%
99	15.982	4644	4647	4650	rBV5	3121	1910	0.02%	0.004%
100	16.056	4667	4670	4673	rBV4	2729	1686	0.02%	0.004%

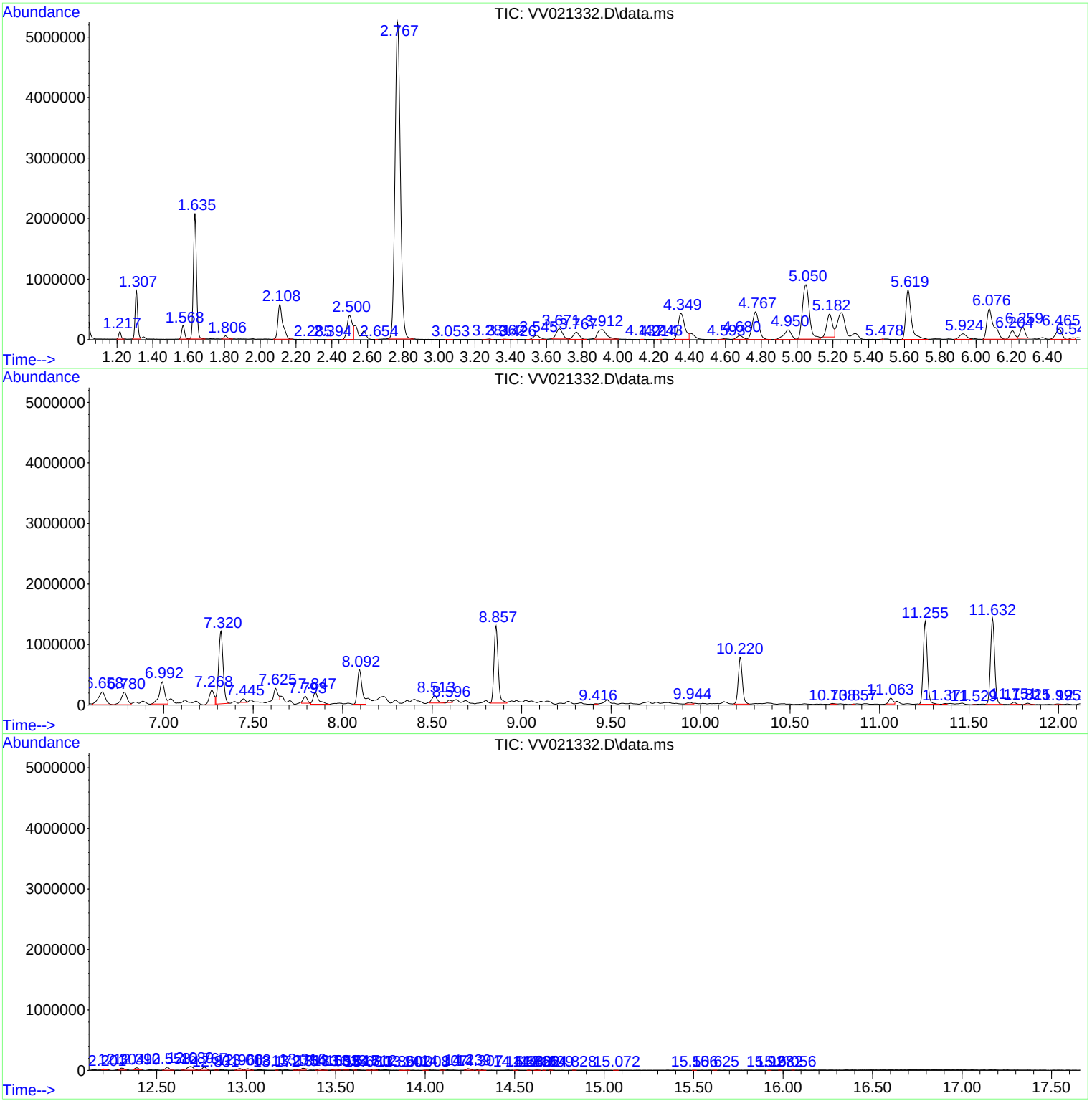
Sum of corrected areas: 44215320

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F3A05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

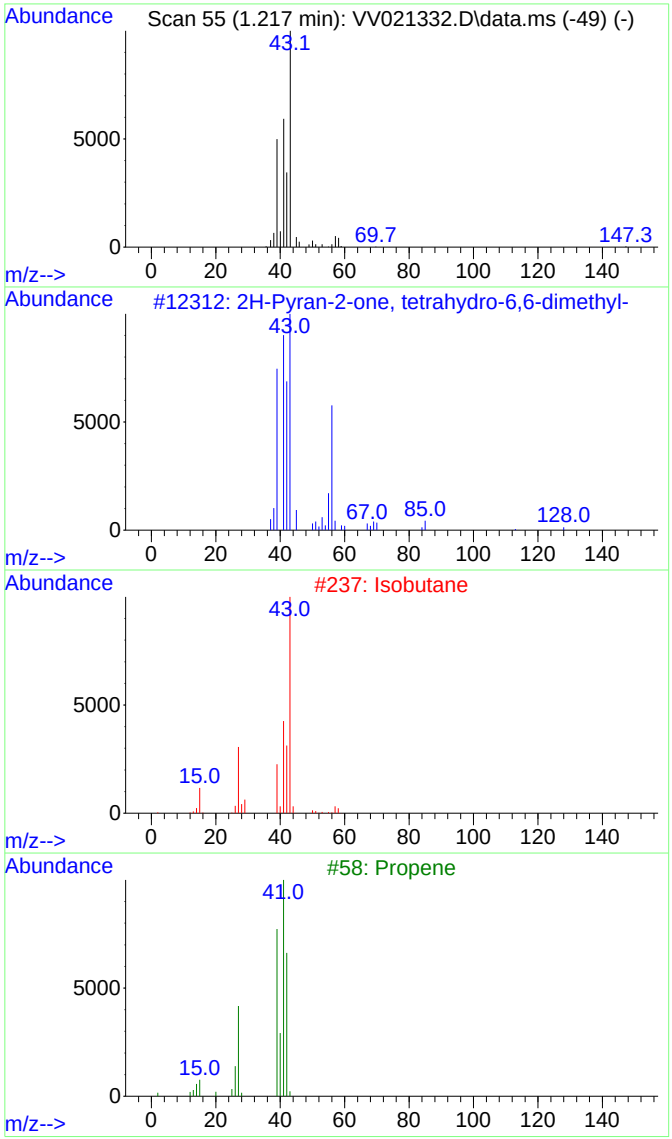
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

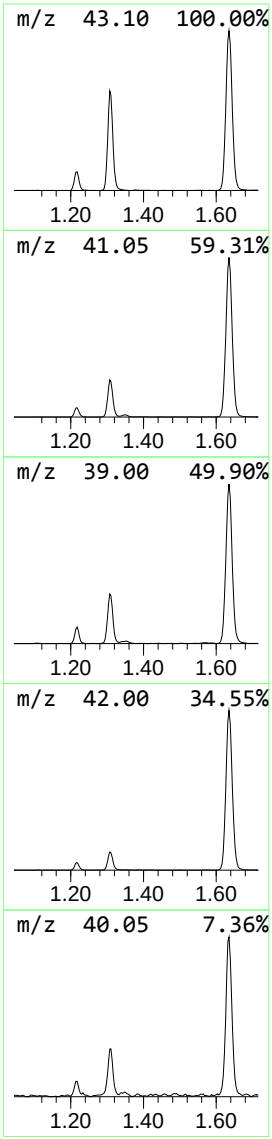
****

Peak Number 1 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.217	3.13 ug/L	110507	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran-2-one, tetrahydro-6,6-d...	128	C7H12O2	002610-95-9	38
2	Isobutane	58	C4H10	000075-28-5	9
3	Propene	42	C3H6	000115-07-1	9
4	Butane, 1-nitro-	103	C4H9NO2	000627-05-4	9
5	Cyclopropanecarboxylic acid, met...	100	C5H8O2	002868-37-3	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

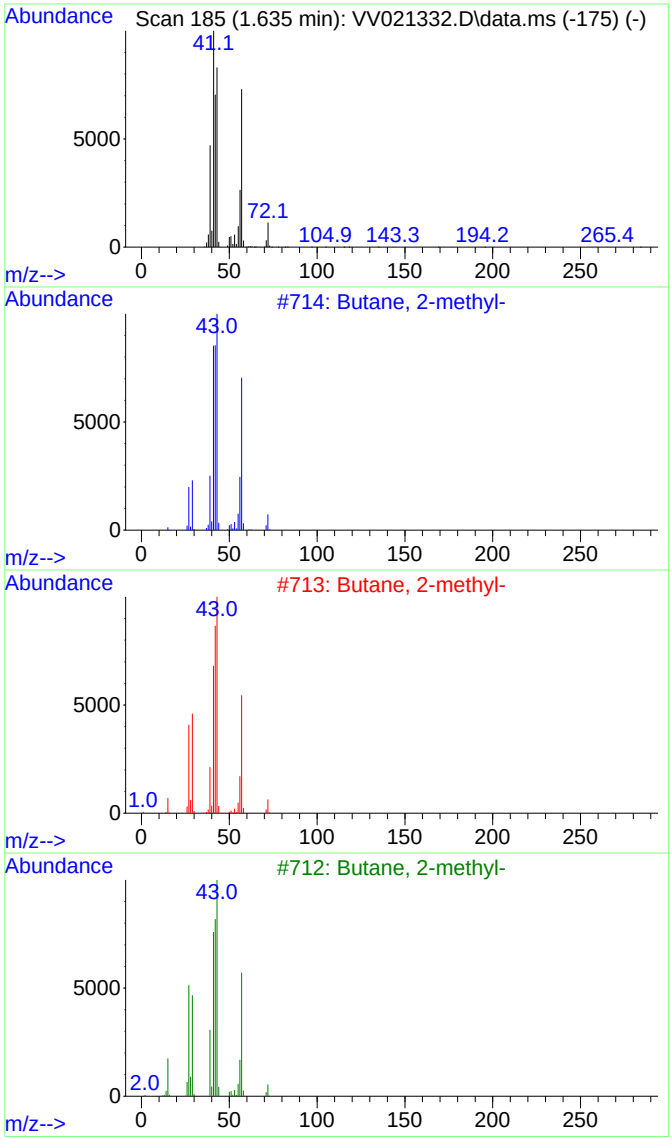
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

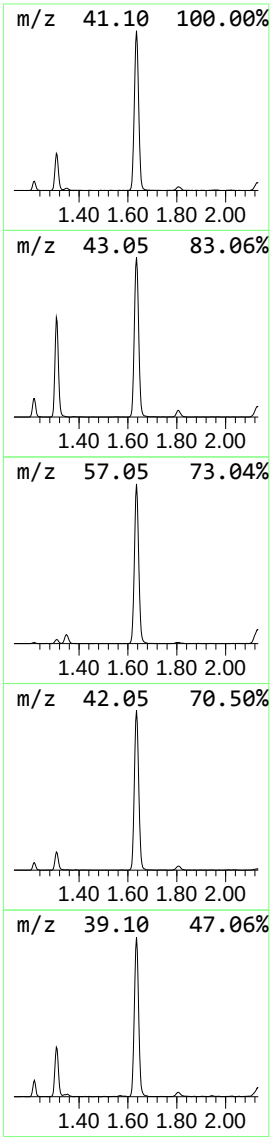
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.635	71.65 ug/L	2526000	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	52
2	Butane, 2-methyl-	72	C5H12	000078-78-4	49
3	Butane, 2-methyl-	72	C5H12	000078-78-4	47
4	Pentane	72	C5H12	000109-66-0	37
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

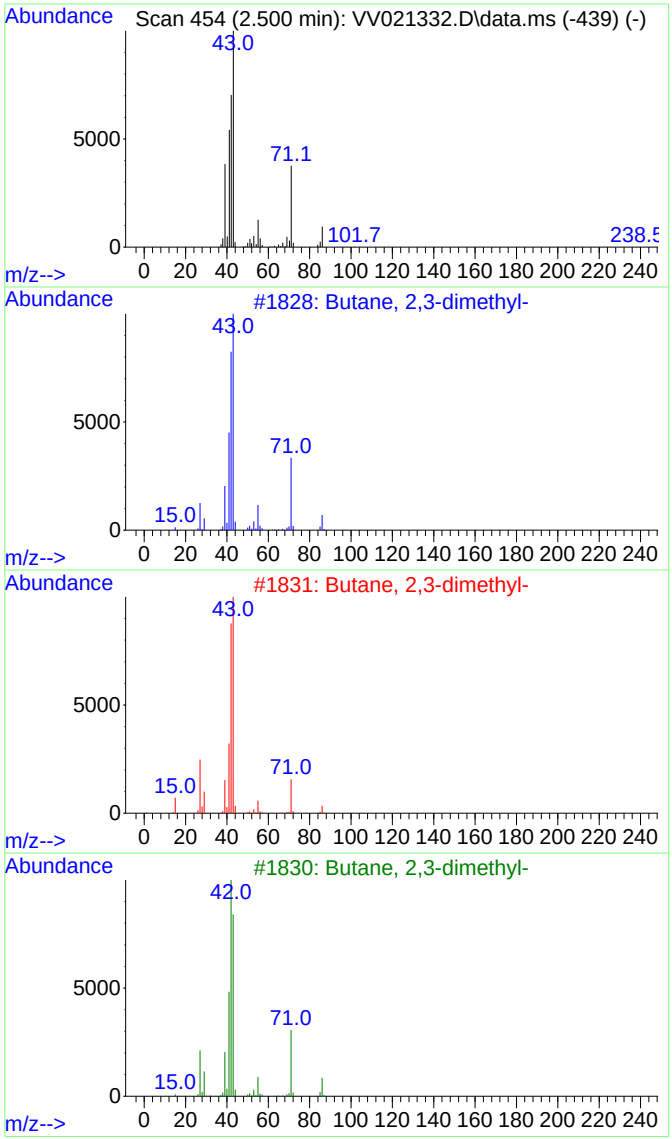
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

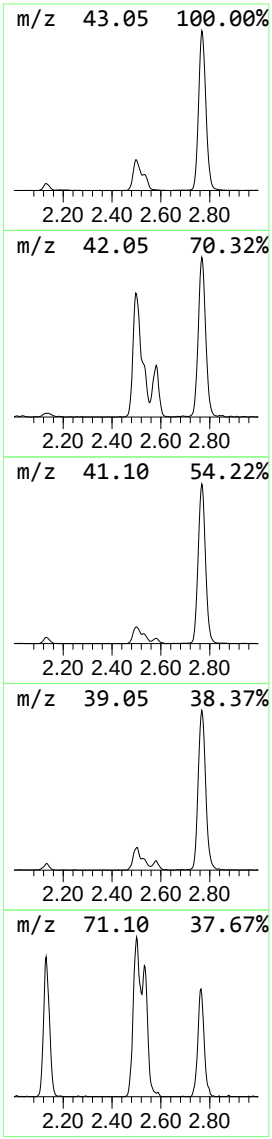
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.500	23.69 ug/L	835073	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49
4	1,2,3-Trimethyldiaziridine	86	C4H10N2	113604-56-1	23
5	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	17





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

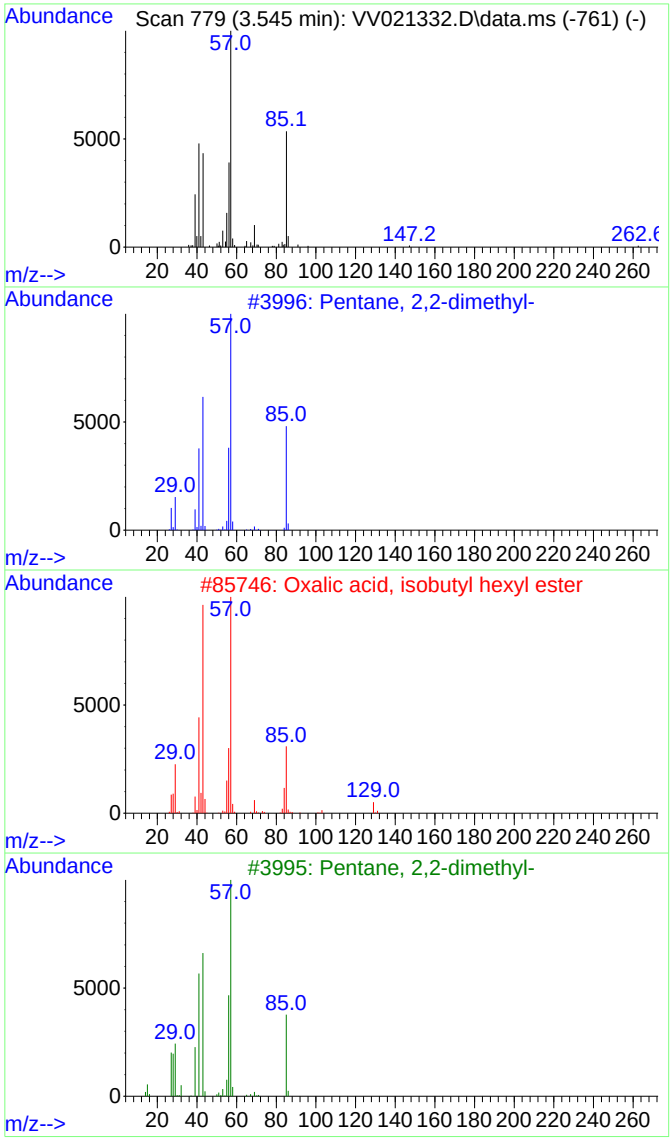
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

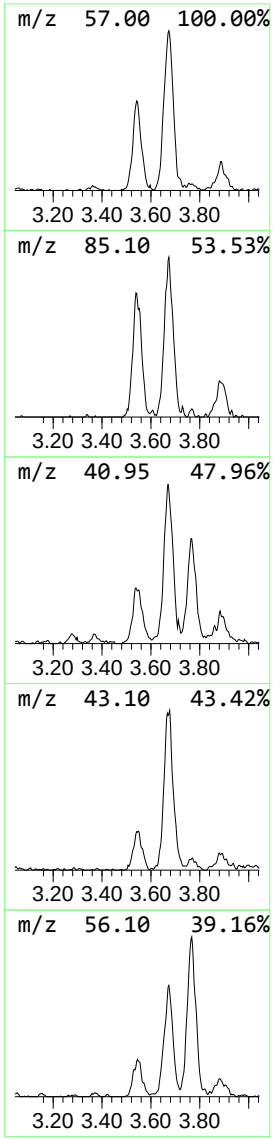
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.545	5.44 ug/L	191751	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	72
2	Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	59
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	56
4	2H-Pyran, 2-(1,1-dimethylethoxy)...	158	C9H18O2	001927-69-1	50
5	3-Hexanone, 2,5-dimethyl-	128	C8H16O	001888-57-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

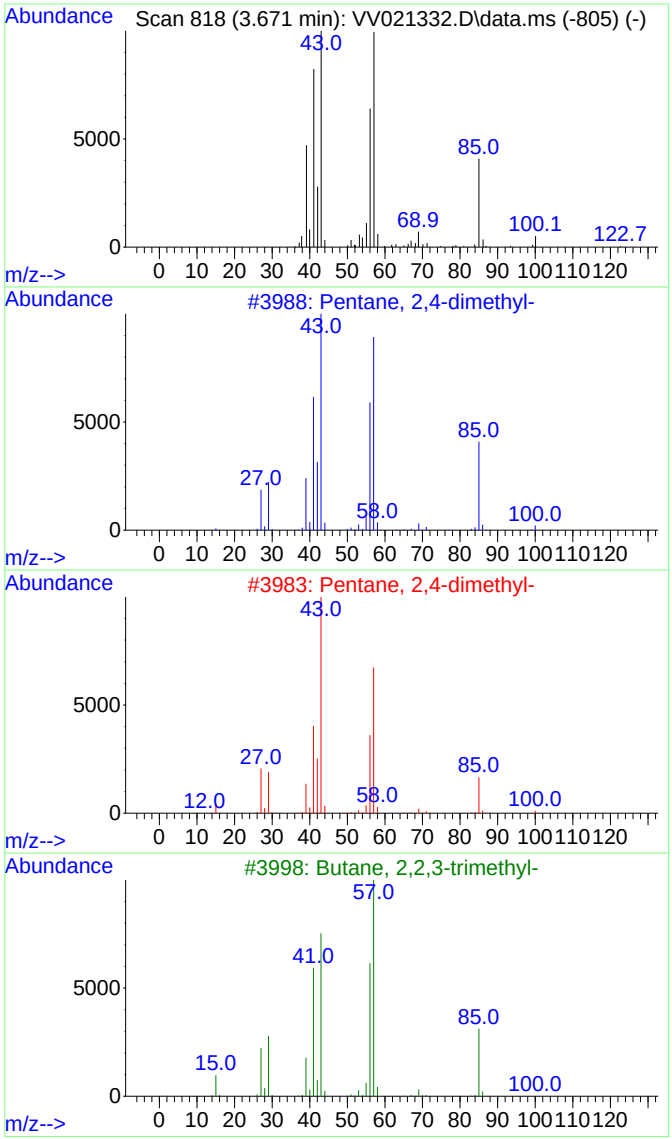
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

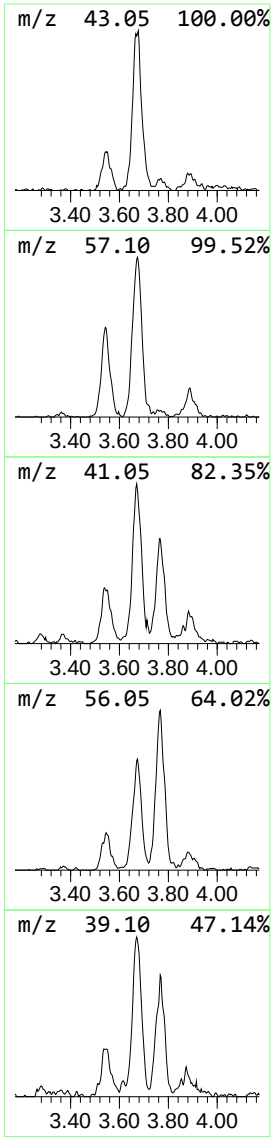
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.671	11.64 ug/L	410244	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	59
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	53
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53





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Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

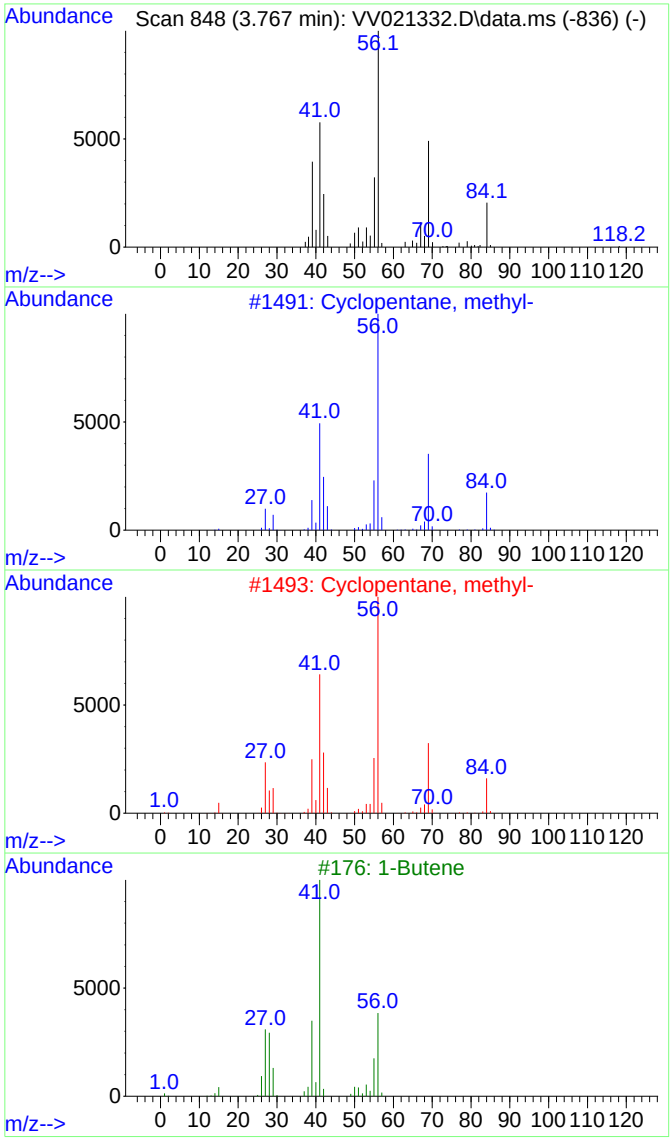
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

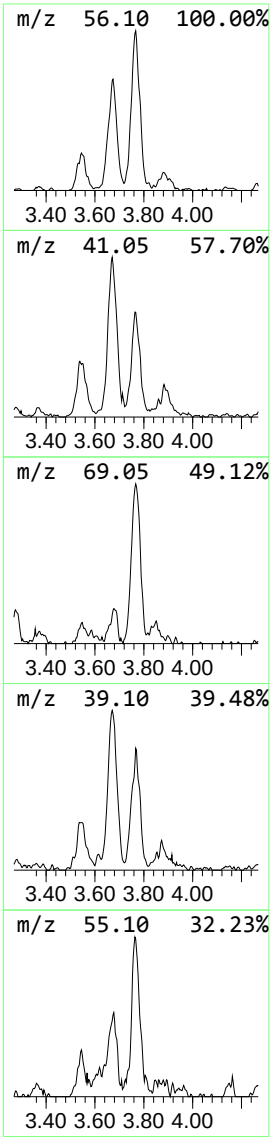
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic3.767 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.767	7.87 ug/L	277347	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	52
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	52
3	1-Butene	56	C4H8	000106-98-9	50
4	Cyclohexane	84	C6H12	000110-82-7	50
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	50





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Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

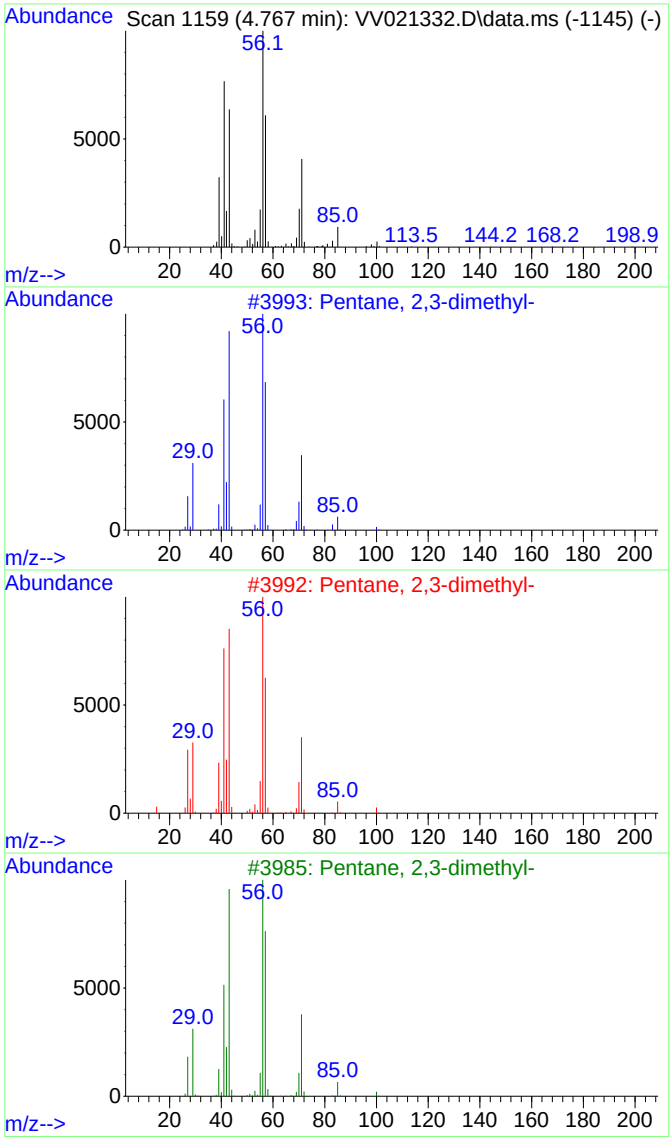
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

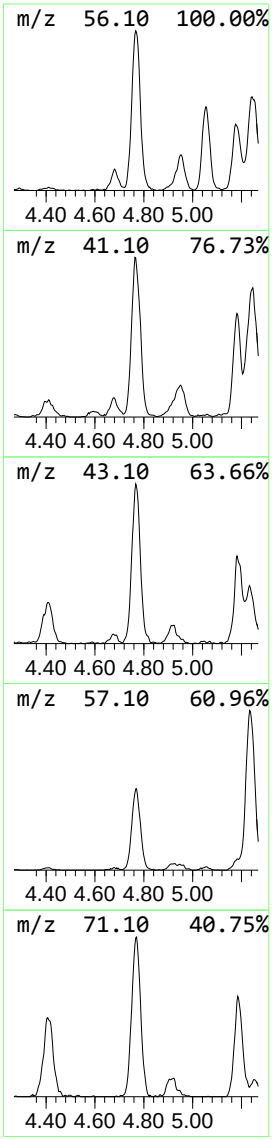
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.767	33.34 ug/L	1175230	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	78
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
5	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	50





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Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

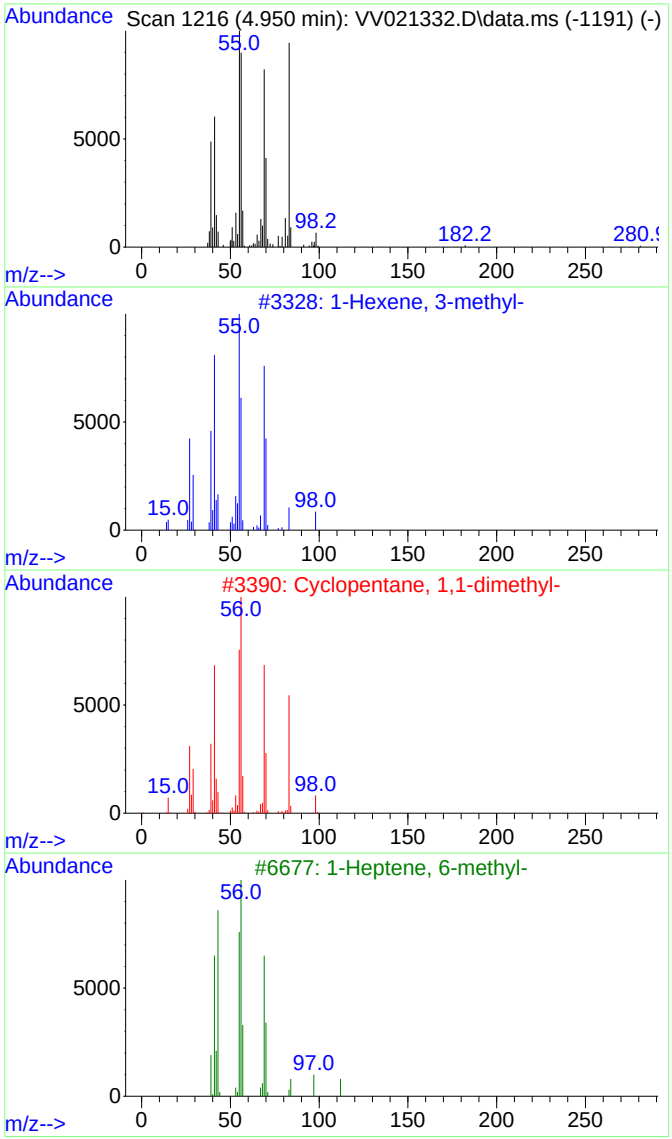
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

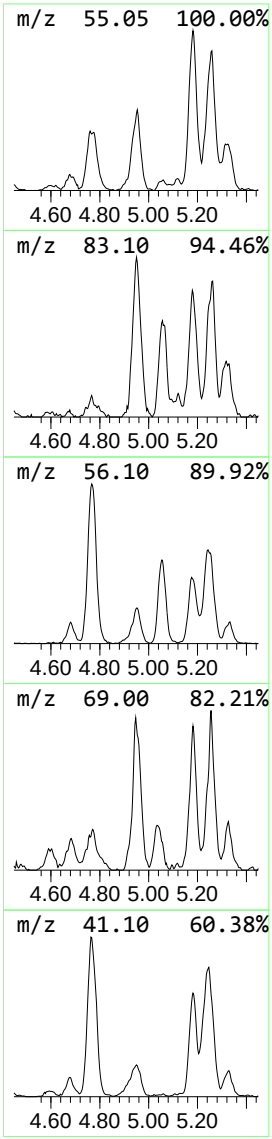
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.950	13.48 ug/L	475142	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	53
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	52
3	1-Heptene, 6-methyl-	112	C8H16	005026-76-6	47
4	trans-7-Methyl-3-octene	126	C9H18	1000113-52-8	43
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	43





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Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

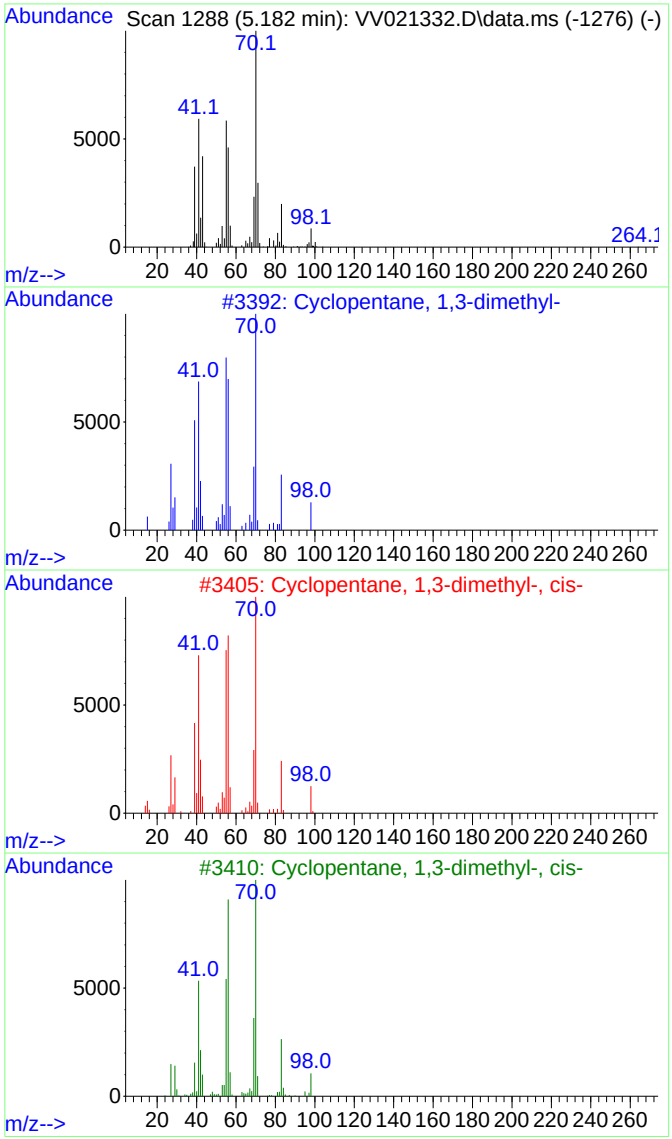
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

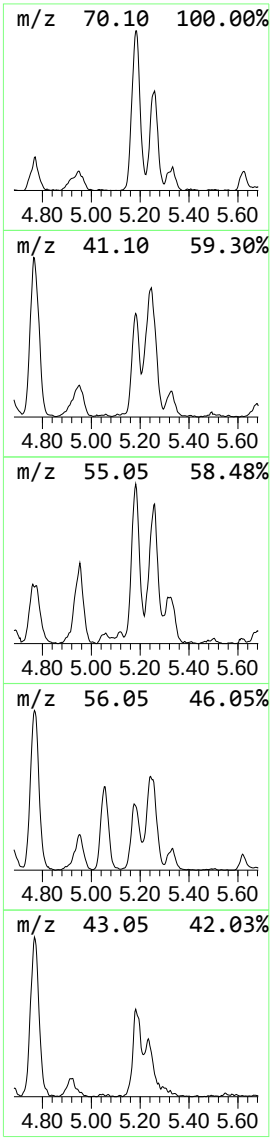
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic5.182 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.182	23.97 ug/L	844886	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	92
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	70
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	50
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	50
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	47





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Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

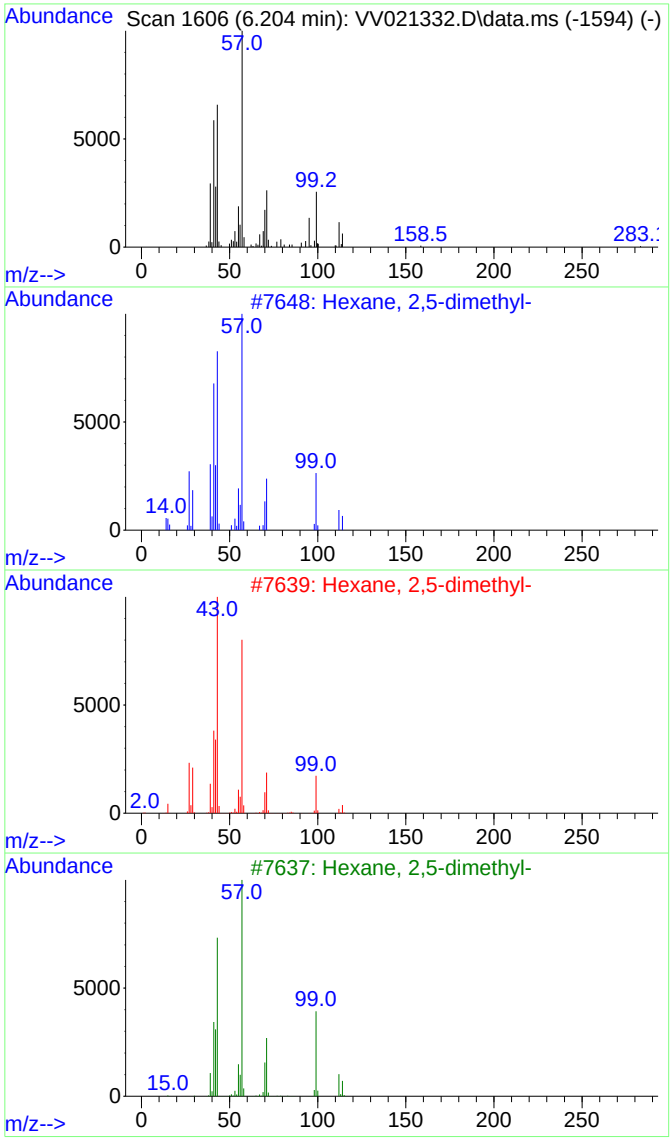
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

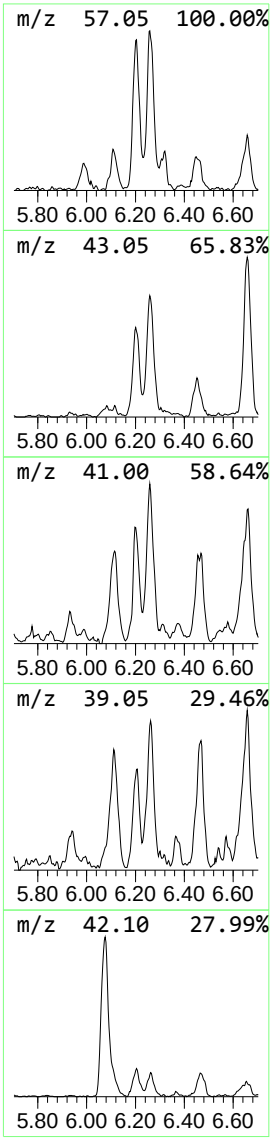
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.204	7.75 ug/L	273357	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	94
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	43
5	1-Pyrrolidinecarboxaldehyde	99	C5H9NO	003760-54-1	43





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Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F3A05

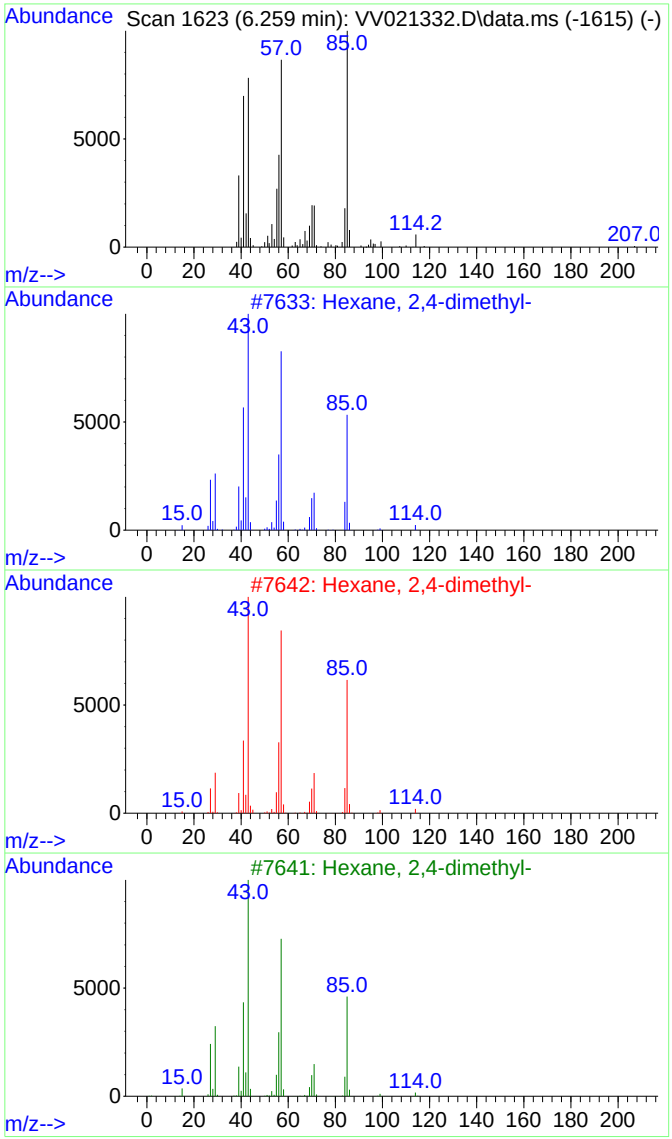
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

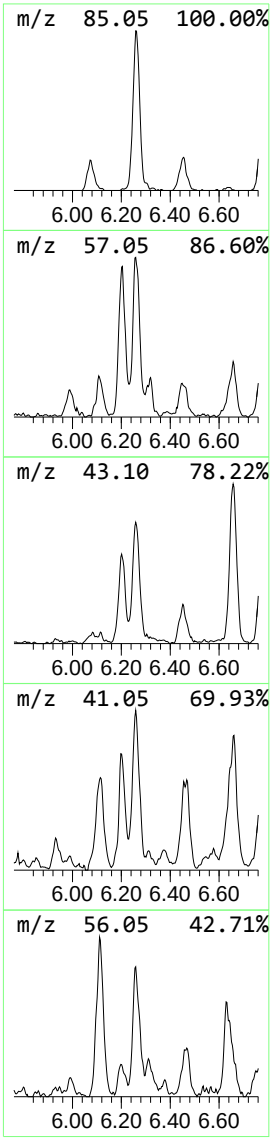
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.259	10.06 ug/L	354781	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	87
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	74
4	2-Pentoxy-tetrahydropyran	172	C10H20O2	032767-70-7	64
5	Heptane, 2-(hexyloxy)-	200	C13H28O	074663-79-9	43





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Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

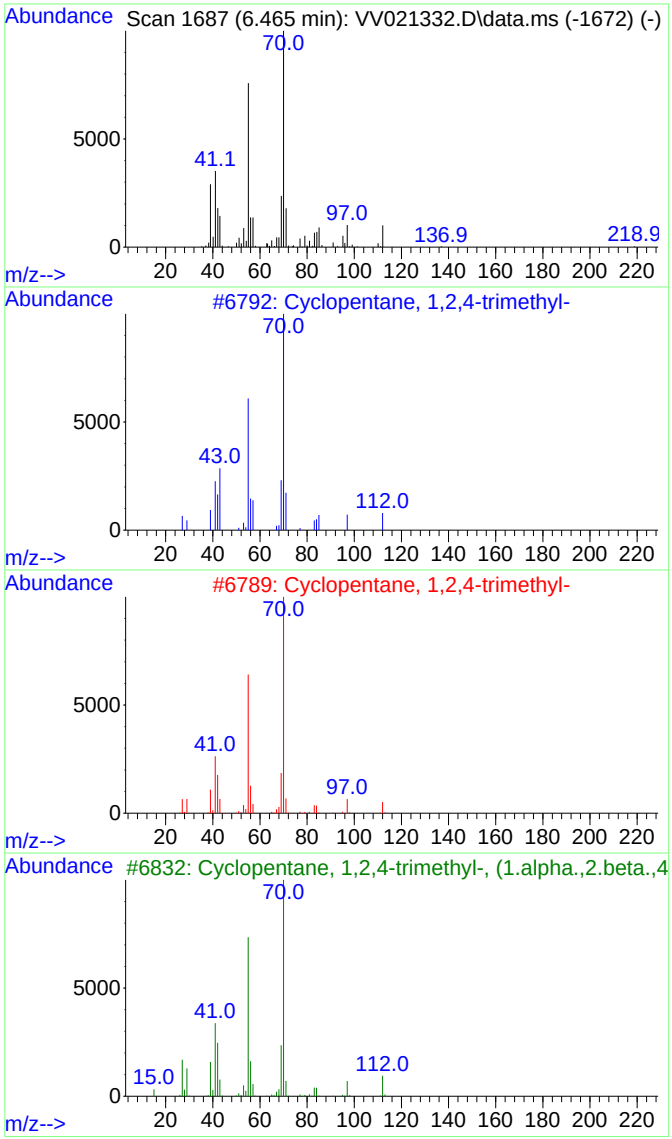
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

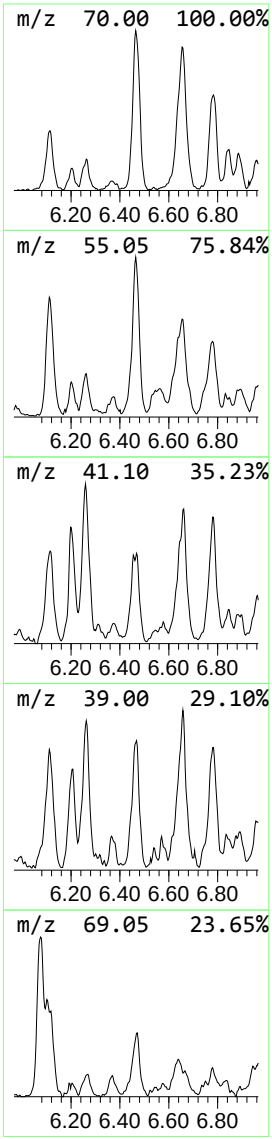
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic6.465 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.465	11.43 ug/L	402890	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	83
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	74
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	72
5	Undecane, 3-methylene-	168	C12H24	071138-64-2	64





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Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

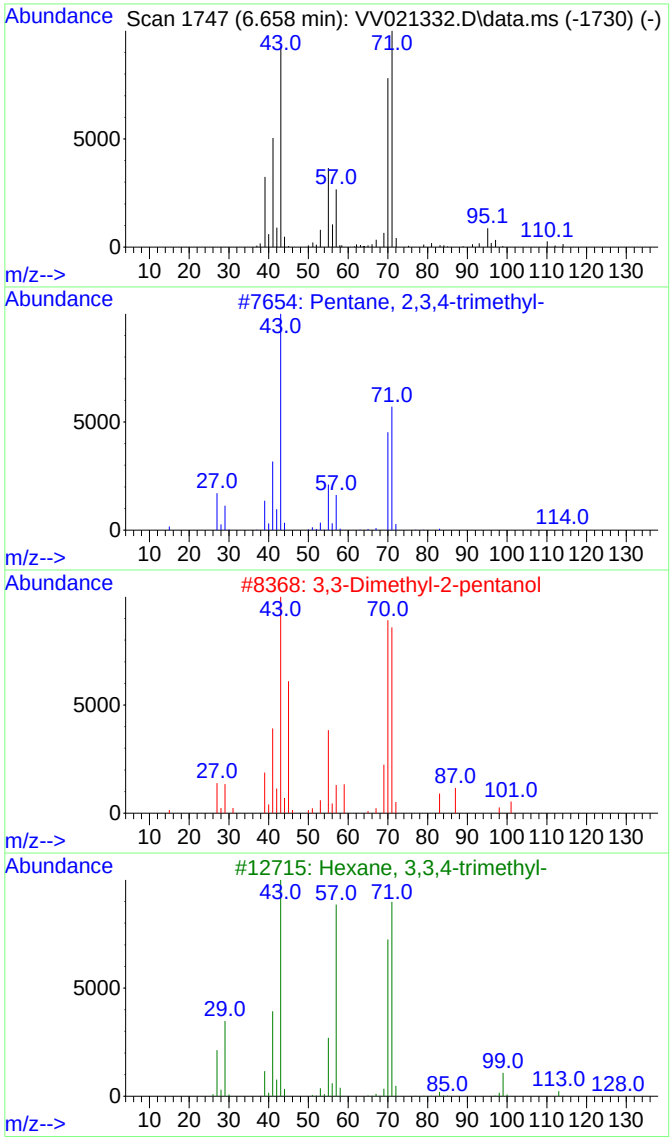
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

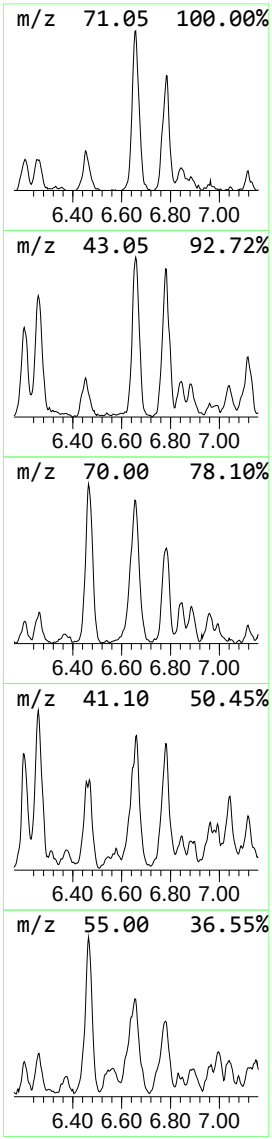
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.658	16.53 ug/L	582732	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
2	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	72
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64





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Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

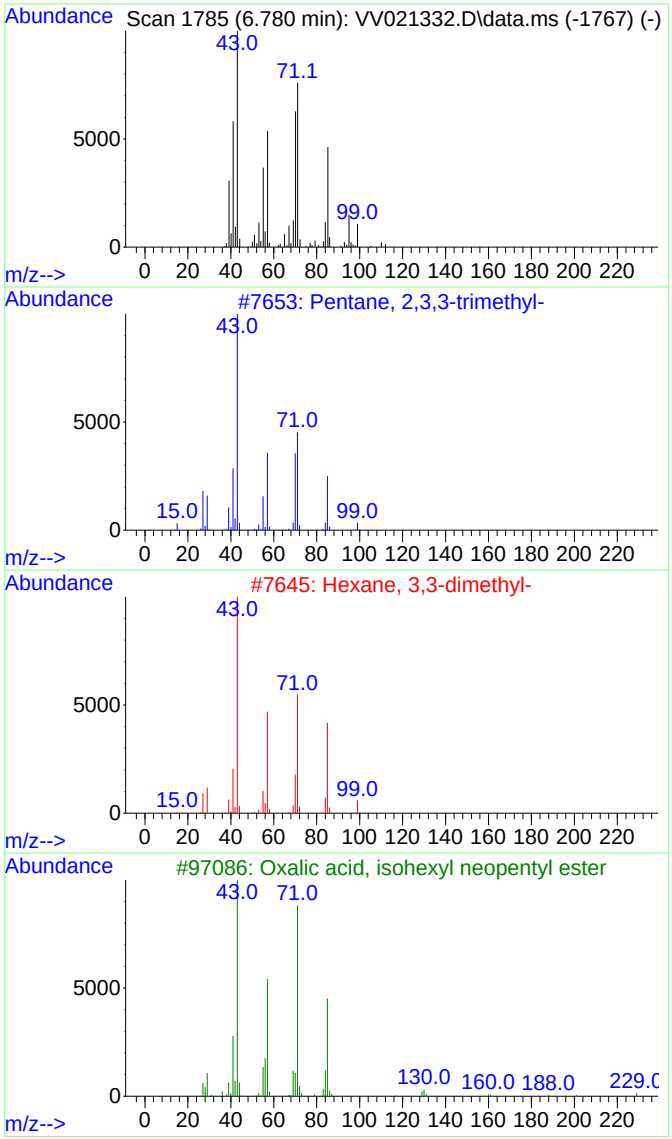
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

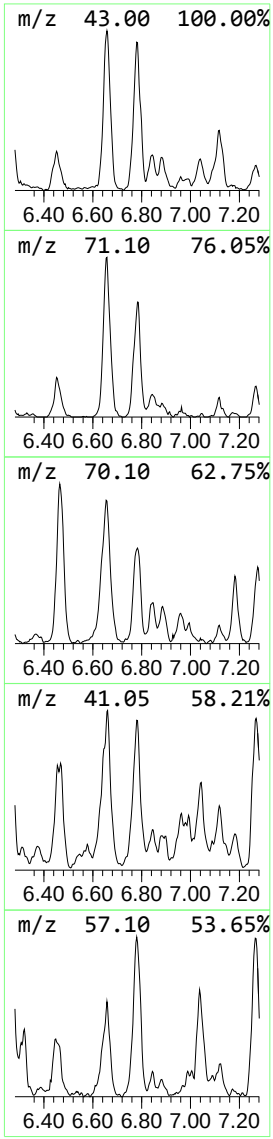
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.780	13.60 ug/L	479529	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
3	Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	53
4	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	50
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	50





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Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

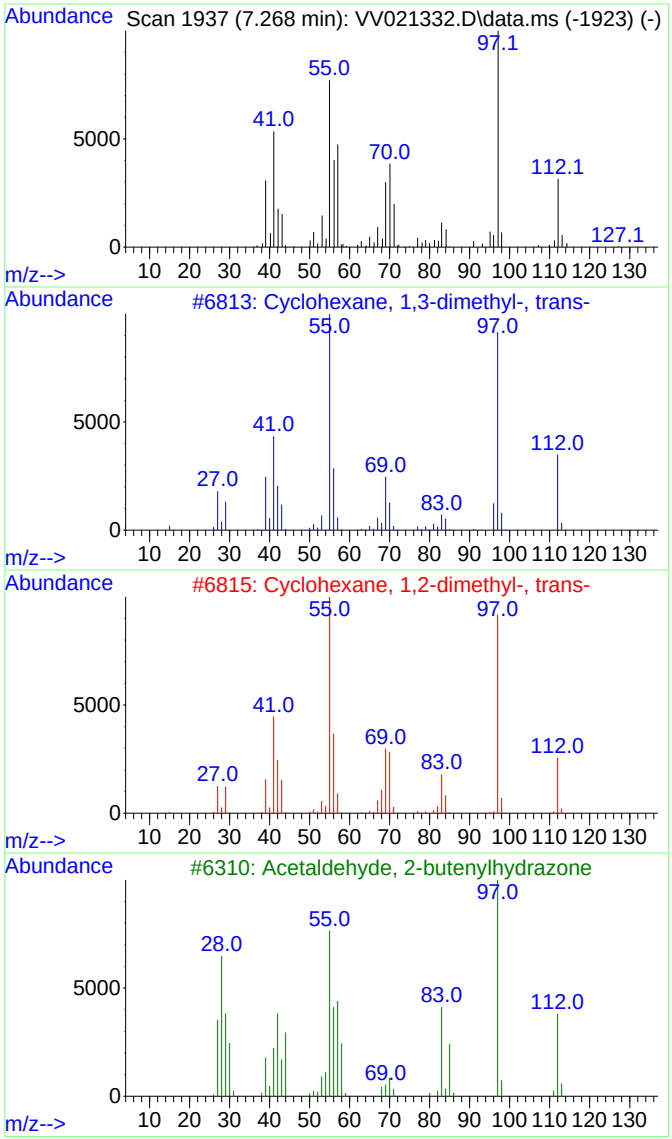
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

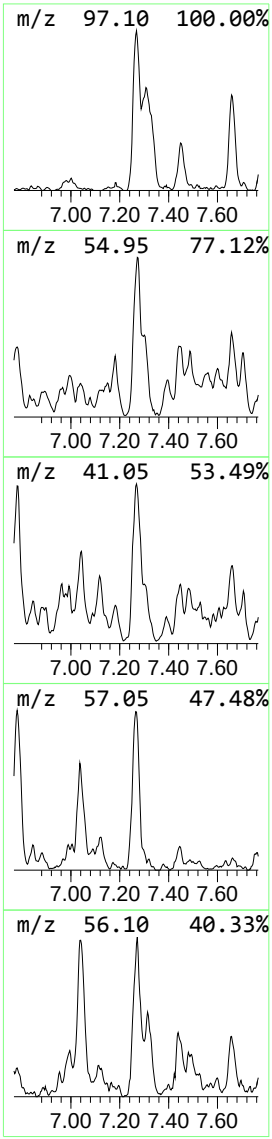
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic7.268 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.268	11.34 ug/L	467138	Chlorobenzene-d5	8.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	64
3	Acetaldehyde, 2-butenylhydrazone	112	C6H12N2	075268-07-4	58
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	52
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

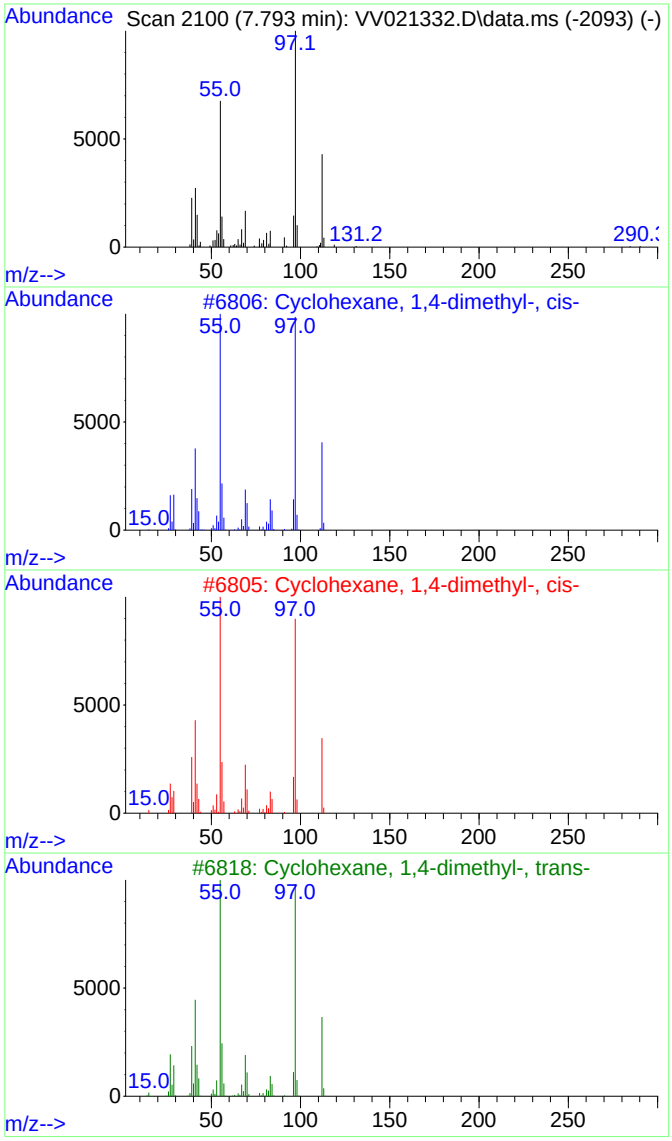
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

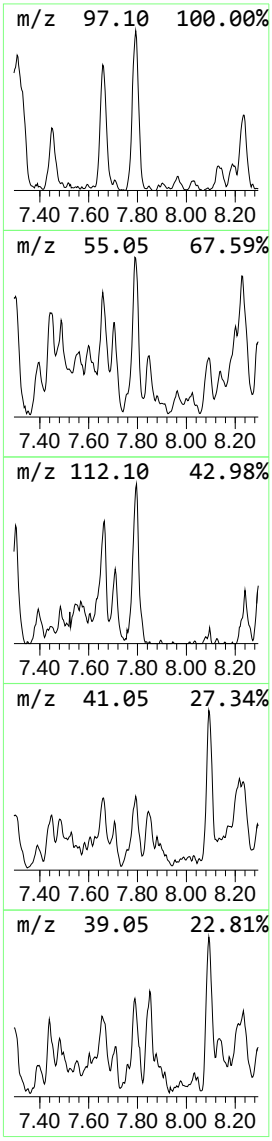
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic7.793 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.793	4.24 ug/L	174515	Chlorobenzene-d5	8.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
5	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	87





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Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

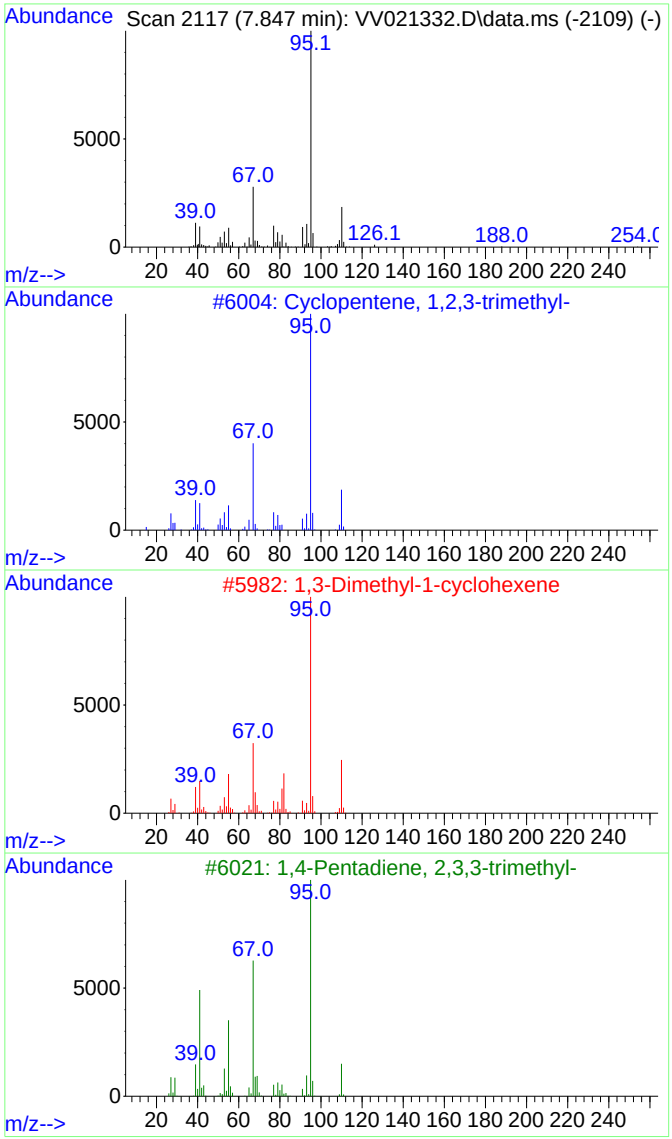
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

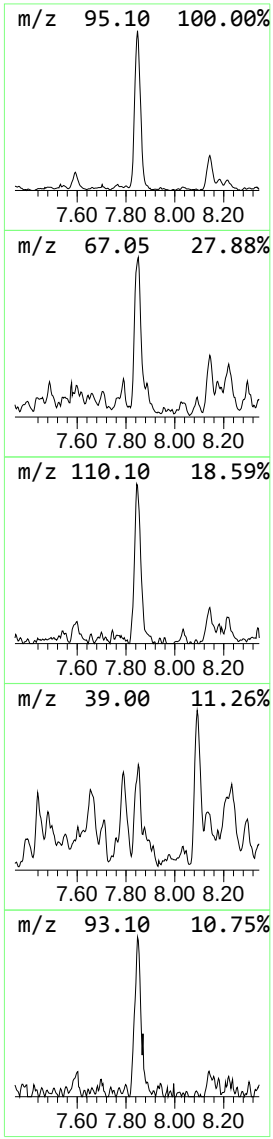
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.847	10.17 ug/L	419043	Chlorobenzene-d5	8.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	90
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	83
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	68
4	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	64
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

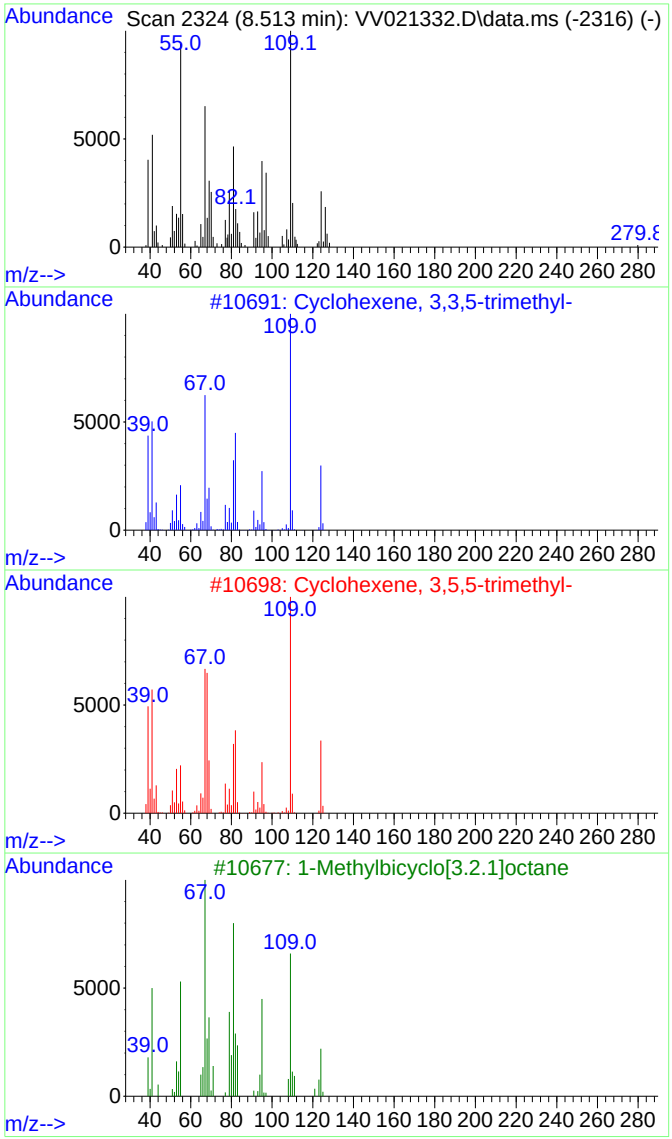
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

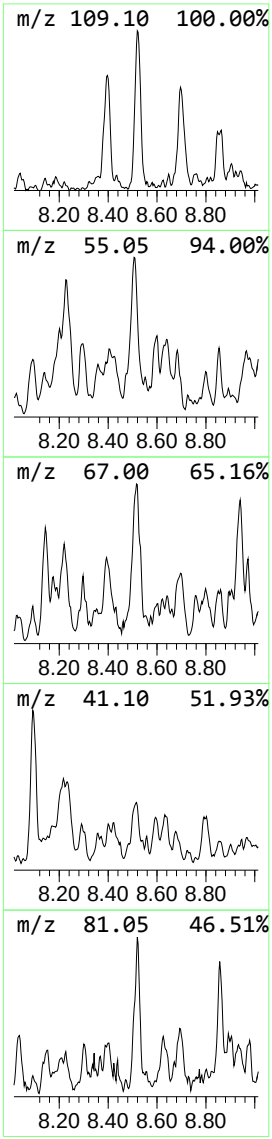
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Cyclohexene, 3,3,5-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.513	6.02 ug/L	247893	Chlorobenzene-d5	8.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	55
2	Cyclohexene, 3,5,5-trimethyl-	124	C9H16	000933-12-0	46
3	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	43
4	1,1-Dimethyl-4-methylenecyclohexane	124	C9H16	006007-96-1	43
5	Ethanone, 1-(2-methyl-1-cyclopen...	124	C8H12O	003168-90-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

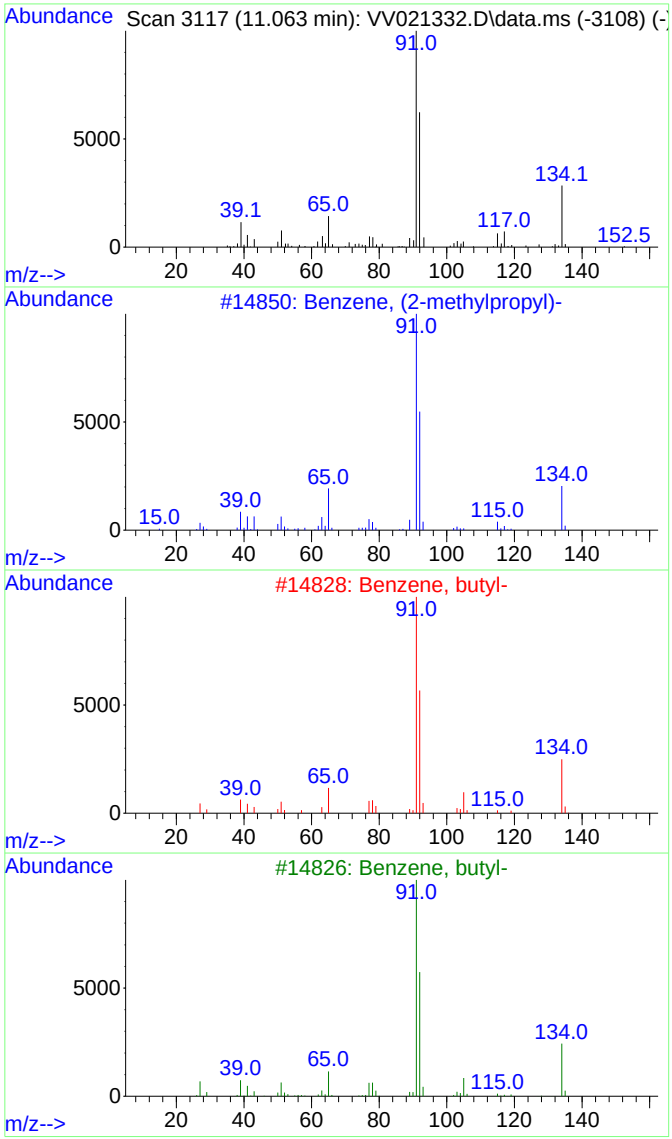
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

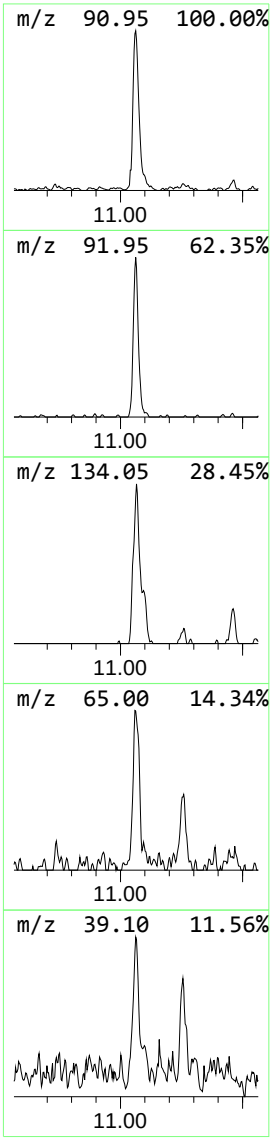
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, (2-methylpropyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.063	3.64 ug/L	158071	1,4-Dichlorobenzene-d4	11.255

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
2	Benzene, butyl-	134	C10H14	000104-51-8	83
3	Benzene, butyl-	134	C10H14	000104-51-8	83
4	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
5	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

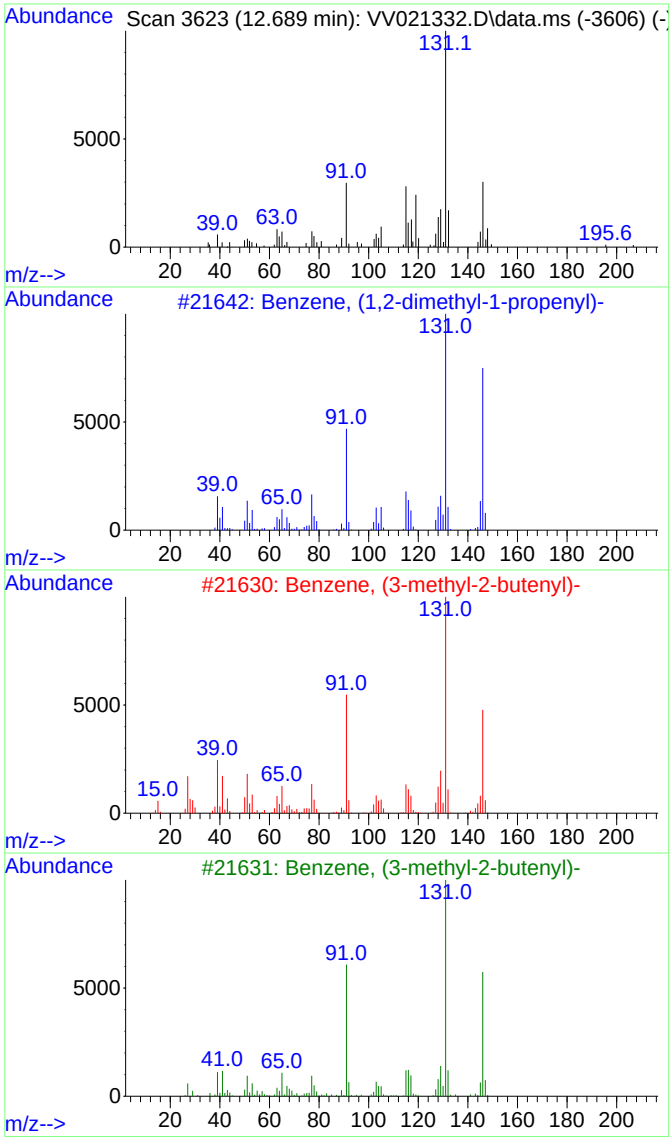
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

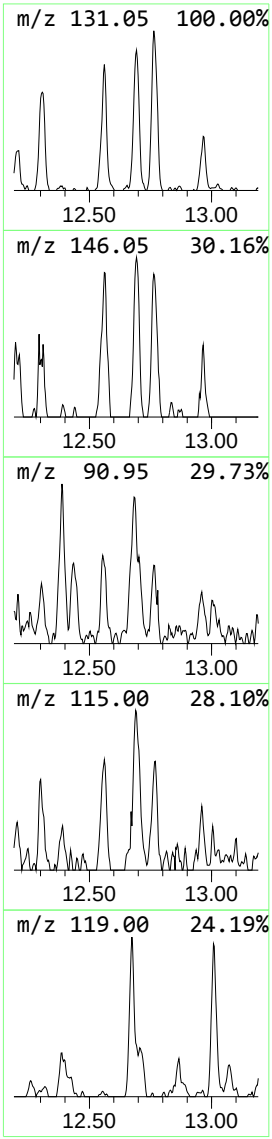
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.690	3.38 ug/L	146772	1,4-Dichlorobenzene-d4	11.255

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	81
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
Data File : VV021332.D
Acq On : 07 May 2021 17:46
Operator : SY/MD
Sample : M2320-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F3A05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	1.217	3.1	ug/L	110507	1	5.619	1762650	50.0
(DEL) Alkane: S...	1.635	71.7	ug/L	2526000	1	5.619	1762650	50.0
(DEL) Alkane: S...	2.500	23.7	ug/L	835073	1	5.619	1762650	50.0
(DEL) Alkane: S...	3.545	5.4	ug/L	191751	1	5.619	1762650	50.0
(DEL) Alkane: S...	3.671	11.6	ug/L	410244	1	5.619	1762650	50.0
(DEL) Alkane: C...	3.767	7.9	ug/L	277347	1	5.619	1762650	50.0
(DEL) Alkane: S...	4.767	33.3	ug/L	1175230	1	5.619	1762650	50.0
(DEL) Alkane: S...	4.950	13.5	ug/L	475142	1	5.619	1762650	50.0
(DEL) Alkane: C...	5.182	24.0	ug/L	844886	1	5.619	1762650	50.0
(DEL) Alkane: S...	6.204	7.8	ug/L	273357	1	5.619	1762650	50.0
(DEL) Alkane: S...	6.259	10.1	ug/L	354781	1	5.619	1762650	50.0
(DEL) Alkane: C...	6.465	11.4	ug/L	402890	1	5.619	1762650	50.0
(DEL) Alkane: S...	6.658	16.5	ug/L	582732	1	5.619	1762650	50.0
(DEL) Alkane: S...	6.780	13.6	ug/L	479529	1	5.619	1762650	50.0
(DEL) Alkane: C...	7.268	11.3	ug/L	467138	2	8.857	2059720	50.0
(DEL) Alkane: C...	7.793	4.2	ug/L	174515	2	8.857	2059720	50.0
Cyclopentene, 1...	7.847	10.2	ug/L	419043	2	8.857	2059720	50.0
Cyclohexene, 3,...	8.513	6.0	ug/L	247893	2	8.857	2059720	50.0
Benzene, (2-met...	11.063	3.6	ug/L	158071	3	11.255	2168340	50.0
Benzene, (1,2-d...	12.690	3.4	ug/L	146772	3	11.255	2168340	50.0