LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

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_U\Method\SFAMULM101023WMA.M
Title : VOC Analysis

Signal : TIC: VU055900.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.358	15	21	34	rBV5	11277	17128	0.73%	0.060%
2	1.483	54	60	67	rBV2	15043	22074	0.94%	0.078%
3	1.599	85	96	112	rBV	310651	395090	16.79%	1.391%
4	1.669	112	118	130	rVB7	8444	16814	0.71%	0.059%
5	1.891	178	187	206	rVV	201604	310452	13.19%	1.093%
6	1.975	207	213	223	rVB4	21091	32110	1.36%	0.113%
7	2.190	274	280	292	rVB7	13908	26578	1.13%	0.094%
8	2.460	355	364	377	rVB2	15198	27027	1.15%	0.095%
9	2.560	383	395	410	rBV	500551	818023	34.76%	2.881%
10	3.033	526	542	548	rBV6	11980	28434	1.21%	0.100%
11	3.075	549	555	564	rVB3	13810	20565	0.87%	0.072%
12	3.358	627	643	660	rBV3	36802	84866	3.61%	0.299%
13	3.567	691	708	728	rVB7	8567	22807	0.97%	0.080%
14	3.695	736	748	765	rBV4	8183	19568	0.83%	0.069%
15	3.972	814	834	854	rBV2	39550	98307	4.18%	0.346%
16	4.525	989	1006	1020	rBV4	37793	96677	4.11%	0.340%
17	4.615	1024	1034	1068	rVB	170500	438394	18.63%	1.544%
18	5.058	1149	1172	1198	rVV	415754	956194	40.63%	3.367%
19	5.177	1200	1209	1221	rVB2	15592	34762	1.48%	0.122%
20	5.380	1260	1272	1285	rVV5	32689	80515	3.42%	0.284%
21	5.457	1286	1296	1321	rVB8	12742	35013	1.49%	0.123%
22	5.589	1321	1337	1348	rBV4	13455	32831	1.39%	0.116%
23	5.721	1358	1378	1386	rBV2	876992	2353676	100.00%	8.288%
24	5.769	1387	1393	1411	rVB	665828	1278686	54.33%	4.503%
25	5.891	1424	1431	1447	rVB8	29648	71176	3.02%	0.251%
26	6.245	1528	1541	1578	rVV	643992	1323832	56.25%	4.662%
27	6.685	1663	1678	1692	rBV	527077	1043875	44.35%	3.676%
28	6.759	1694	1701	1711	rVV3	52854	107107	4.55%	0.377%
29	6.981	1758	1770	1787	rBV5	8764	21994	0.93%	0.077%
30	7.254	1845	1855	1869	rVB5	11567	26665	1.13%	0.094%
31	7.393	1882	1898	1907	rBV2	37955	82685	3.51%	0.291%
32	7.563	1938	1951	1968	rVV	290921	521858	22.17%	1.838%
33	7.756	2003	2011	2021	rVB2	33747	58042	2.47%	0.204%
34	7.894	2028	2054	2071	rBV	1101183	1946010	82.68%	6.853%
35	8.177	2128	2142	2156	rBV2	205812	369215	15.69%	1.300%
36	8.364	2188	2200	2205	rBV6	8506	16137	0.69%	0.057%

LSC Area Percent Report

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Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

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_U\Method\SFAMULM101023WMA.M
Title : VOC Analysis

37	8.409	2206	2214	2227	rVB3	20627	39721	1.69%	0.140%
38	8.489	2227	2239	2248	rBV6	8249	17679	0.75%	0.062%
39	8.631	2272	2283	2312	rBV	620939	1239049	52.64%	4.363%
40	8.791	2325	2333	2346	rVB5	27932	59614	2.53%	0.210%
41	8.862	2346	2355	2361	rBV5	10770	19247	0.82%	0.068%
42	9.274	2472	2483	2490	rBV6	9053	16950	0.72%	0.060%
43	9.338	2493	2503	2514	rVB9	11945	24062	1.02%	0.085%
44	9.415	2514	2527	2552	rBV2	946459	2096652	89.08%	7.383%
45	9.701	2602	2616	2627	rVB8	15307	46347	1.97%	0.163%
46	9.762	2627	2635	2644	rBV5	12508	22326	0.95%	0.079%
47	9.823	2645	2654	2663	rBV4	21328	34880	1.48%	0.123%
48	9.862	2664	2666	2681	rVB4	9742	17400	0.74%	0.061%
49	9.975	2685	2701	2706	rBV8	11329	25203	1.07%	0.089%
50	10.026	2708	2717	2728	rVB8	14178	28967	1.23%	0.102%
51	10.100	2731	2740	2756	rVB2	33180	56980	2.42%	0.201%
52	10.251	2772	2787	2789	rBV6	15410	28481	1.21%	0.100%
53	10.357	2810	2820	2826	rBV5	20794	39176	1.66%	0.138%
54	10.479	2847	2858	2869	rBV	100809	164204	6.98%	0.578%
55	10.753	2931	2943	2956	rBV	825526	1347124	57.23%	4.744%
56	10.904	2977	2990	3006	rBV	271071	460071	19.55%	1.620%
57	10.981	3008	3014	3023	rVB4	16045	30048	1.28%	0.106%
58	11.290	3100	3110	3128	rVV	64814	124268	5.28%	0.438%
59	11.412	3140	3148	3156	rBV7	16490	27188	1.16%	0.096%
60	11.608	3200	3209	3212	rBV2	25461	37043	1.57%	0.130%
61	11.640	3213	3219	3231	rVV	55808	88906	3.78%	0.313%
62	11.708	3232	3240	3246	rVV4	11668	18860	0.80%	0.066%
63	11.807	3260	3271	3290	rBV	1050326	1753551	74.50%	6.175%
64	11.891	3293	3297	3307	rVB	16862	22841	0.97%	0.080%
65	12.003	3327	3332	3341	rVB	16728	23741	1.01%	0.084%
66	12.090	3348	3359	3372	rBV	403008	649698	27.60%	2.288%
67	12.190	3377	3390	3412	rVB	1199194	2077812	88.28%	7.317%
68	12.299	3416	3424	3436	rVV4	34425	59039	2.51%	0.208%
69	12.380	3441	3449	3457	rVB2	13120	20787	0.88%	0.073%
70	12.569	3495	3508	3516	rBV	346360	541036	22.99%	1.905%
71	12.608	3516	3520	3530	rVV	74650	101971	4.33%	0.359%
72	12.679	3531	3542	3562	rVB2	225832	436578	18.55%	1.537%
73	12.862	3593	3599	3607	rVB	12919	19708	0.84%	0.069%
74	12.968	3608	3632	3646	rBV	234305	386335	16.41%	1.360%
75	13.106	3667	3675	3692	rVB5	21595	40393	1.72%	0.142%
76	13.193	3693	3702	3709	rBV3	12437	19114	0.81%	0.067%

LSC Area Percent Report

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Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EOAR4DL

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

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Title : VOC Analysis

77	13.248	3710	3719	3724	rVV3	25411	40114	1.70%	0.141%
78	13.290	3724	3732	3749	rVB	174229	282839	12.02%	0.996%
79	13.450	3761	3782	3798	rBV3	560413	1020475	43.36%	3.593%
80	13.521	3798	3804	3809	rVV6	15924	29527	1.25%	0.104%
81	13.556	3809	3815	3829	rVV	33796	65505	2.78%	0.231%
82	13.624	3831	3836	3850	rVB9	15969	29187	1.24%	0.103%
83	13.733	3860	3870	3876	rBV3	28974	47881	2.03%	0.169%
84	13.782	3877	3885	3893	rVV2	69239	121519	5.16%	0.428%
85	13.833	3893	3901	3911	rVV5	98398	176881	7.52%	0.623%
86	13.907	3911	3924	3927	rVV4	44934	87454	3.72%	0.308%
87	13.936	3928	3933	3957	rVB2	93394	193103	8.20%	0.680%
88	14.113	3981	3988	4000	rVB4	20543	39464	1.68%	0.139%
89	14.187	4000	4011	4023	rVB7	25401	48021	2.04%	0.169%
90	14.280	4023	4040	4052	rBV7	60735	125746	5.34%	0.443%
91	14.341	4052	4059	4069	rVB2	33329	48342	2.05%	0.170%
92	14.482	4093	4103	4118	rBV2	61699	111281	4.73%	0.392%
93	14.666	4148	4160	4176	rBV6	68395	168744	7.17%	0.594%
94	14.804	4194	4203	4213	rVV2	27228	46193	1.96%	0.163%
95	14.872	4215	4224	4236	rVB3	53094	90171	3.83%	0.318%
96	14.936	4236	4244	4255	rVB10	10540	16516	0.70%	0.058%
97	15.013	4258	4268	4280	rBV4	38418	68685	2.92%	0.242%
98	15.267	4342	4347	4362	rVB5	14331	24996	1.06%	0.088%
99	15.405	4378	4390	4418	rBV	214935	386733	16.43%	1.362%
100	16.412	4693	4703	4710	rBV3	16802	30384	1.29%	0.107%

Sum of corrected areas: 28397998

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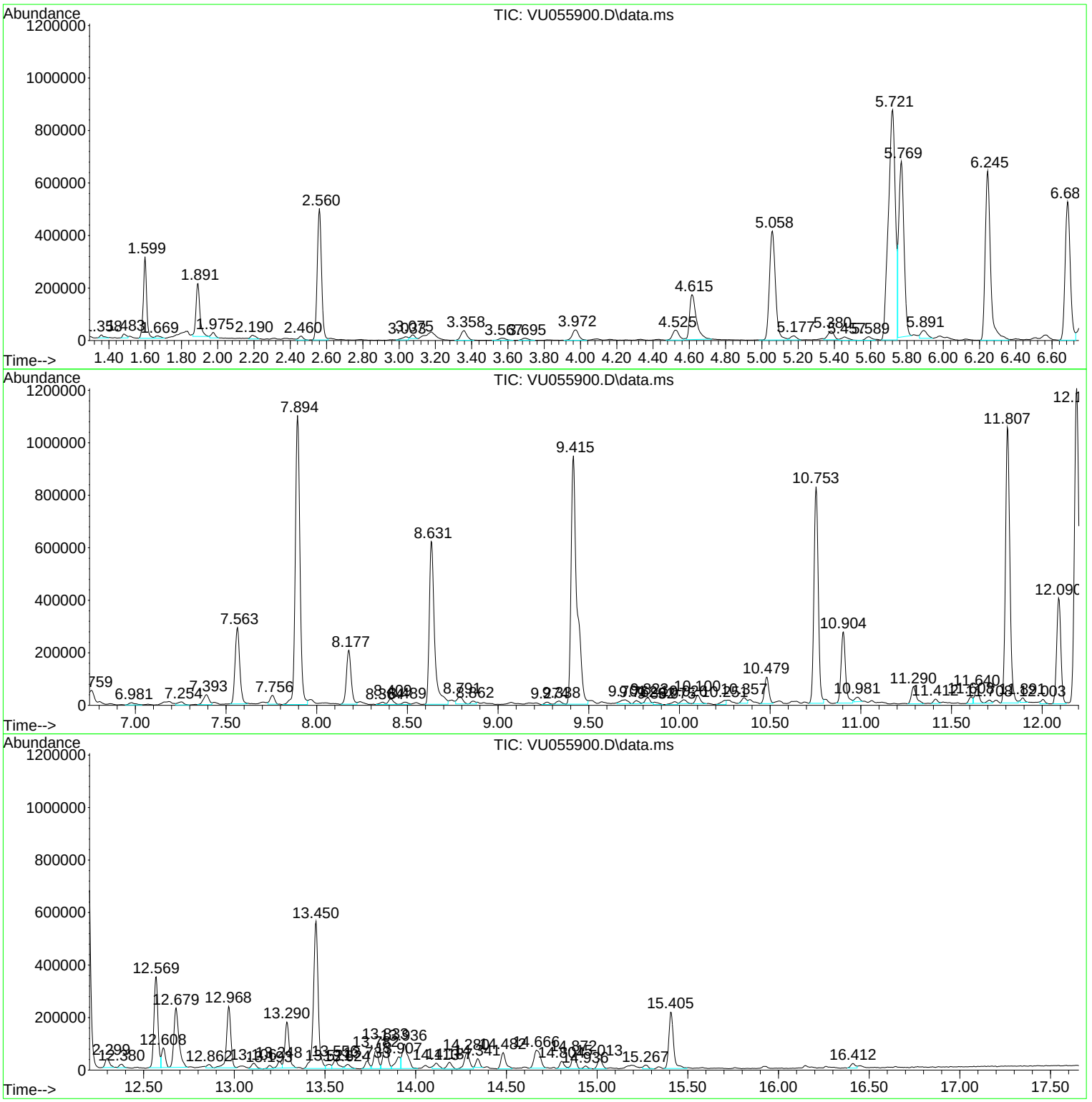
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

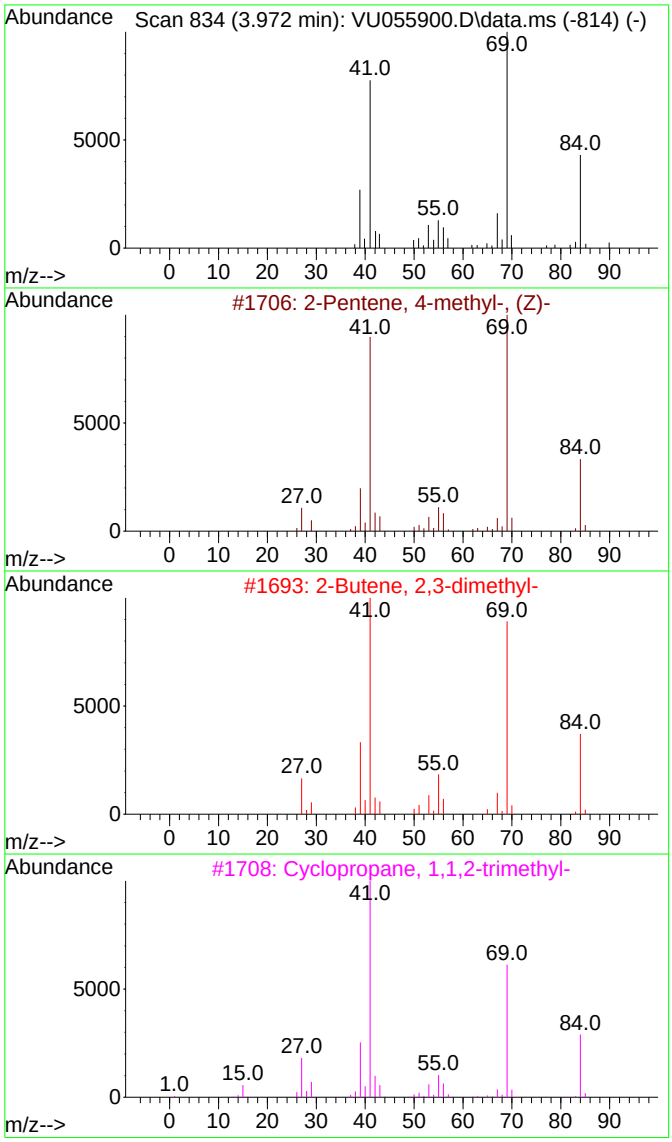
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

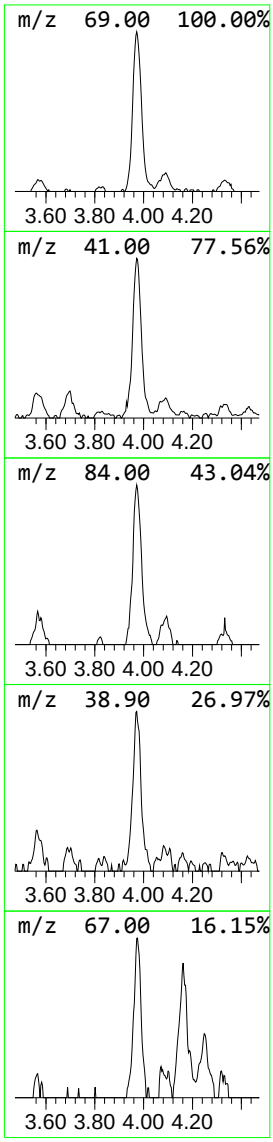
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.972	3.71 ug/L	98307	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	90
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	90
3	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	86
4	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	83
5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

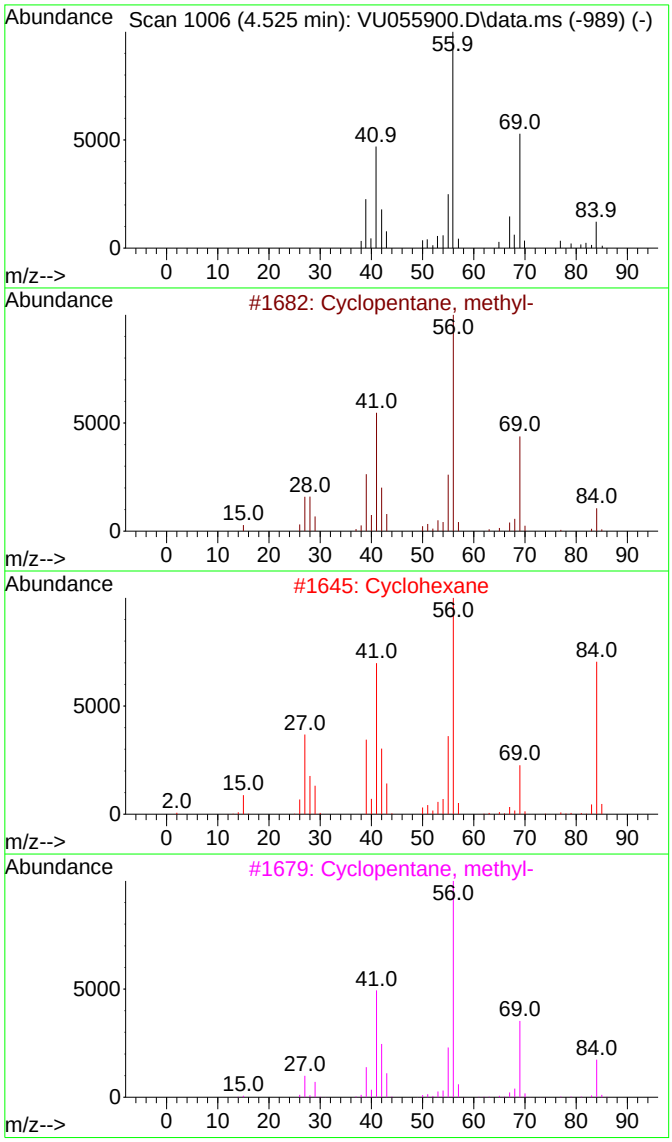
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

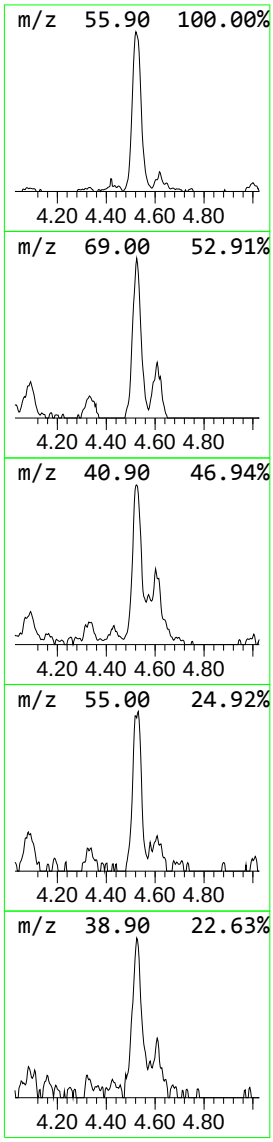
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic4.525 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.525	3.65 ug/L	96677	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclohexane	84	C6H12	000110-82-7	74
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EOAR4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

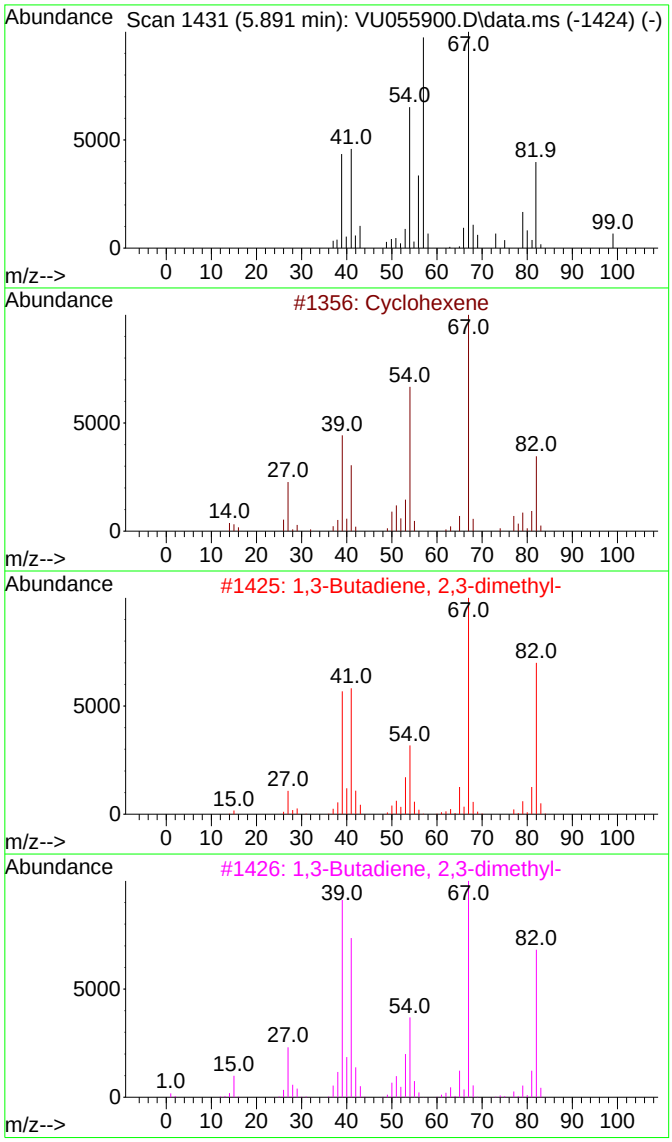
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

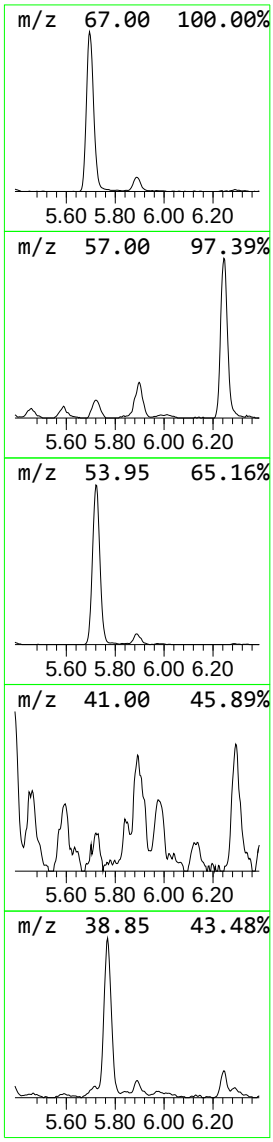
****

Peak Number 3 Cyclohexene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.891	2.69 ug/L	71176	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene	82	C6H10	000110-83-8	59
2	1,3-Butadiene, 2,3-dimethyl-	82	C6H10	000513-81-5	53
3	1,3-Butadiene, 2,3-dimethyl-	82	C6H10	000513-81-5	52
4	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	47
5	Cyclohexene	82	C6H10	000110-83-8	47





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Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

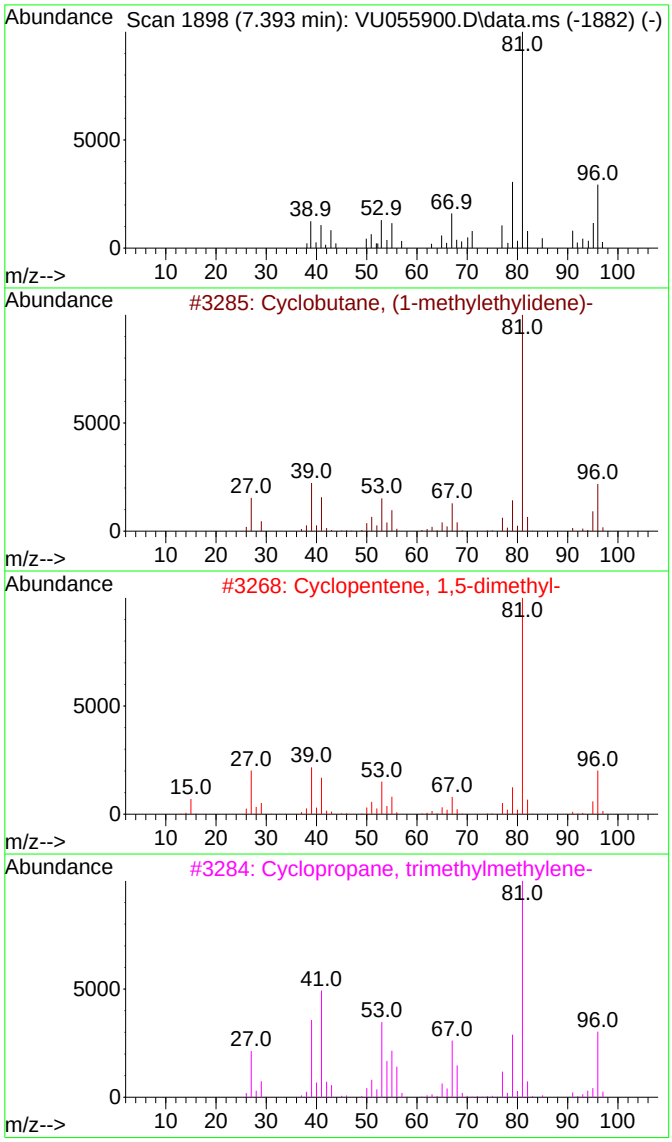
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

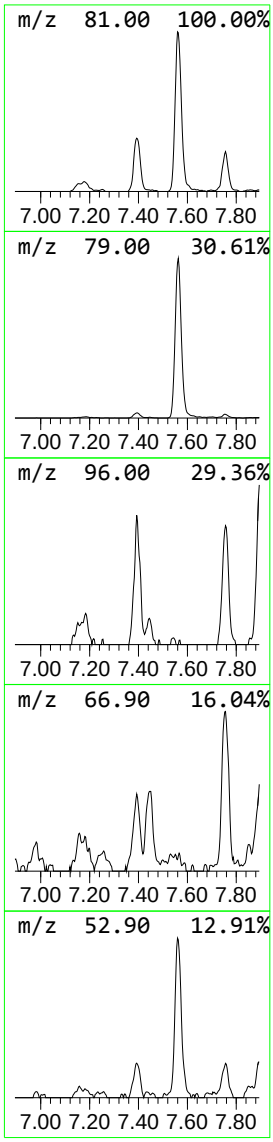
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclobutane, (1-methylethyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.393	3.12 ug/L	82685	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	83
3	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	83
4	2,3-Dimethyl-1,4-pentadiene	96	C7H12	000758-86-1	72
5	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

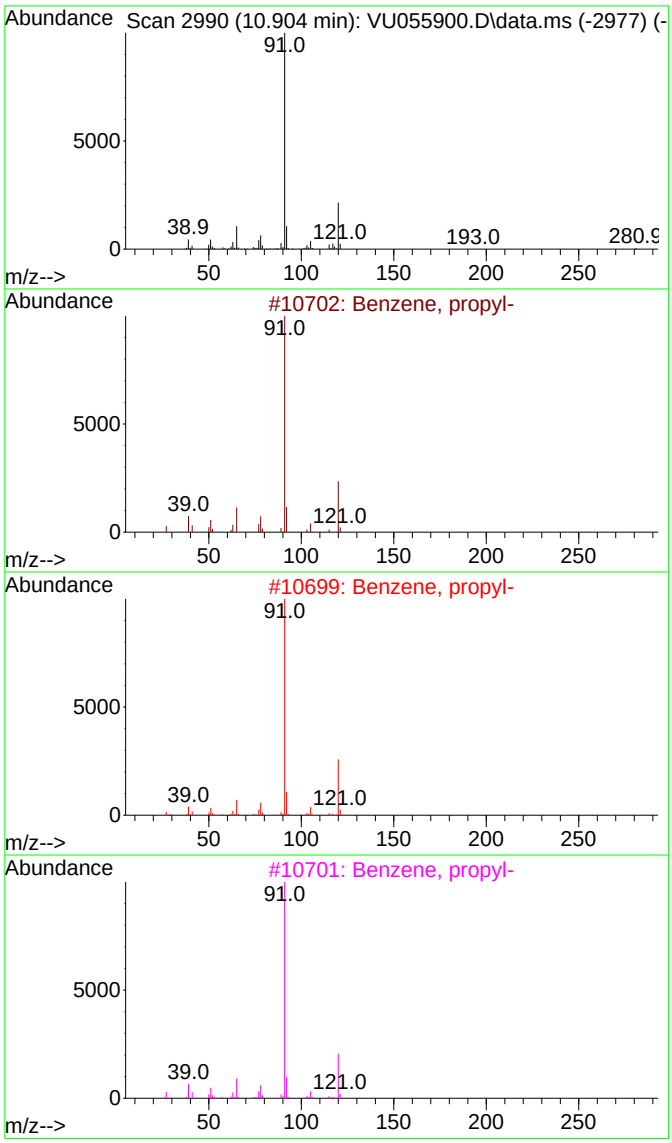
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

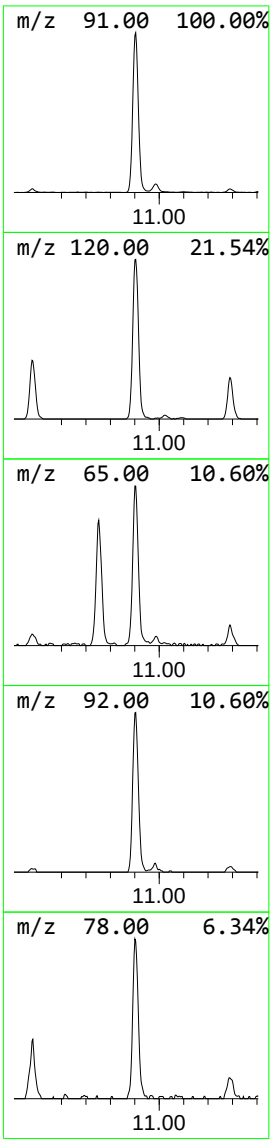
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.904	13.12 ug/L	460071	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	93
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64
5	N-Butylbenzylamine	163	C11H17N	002403-22-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

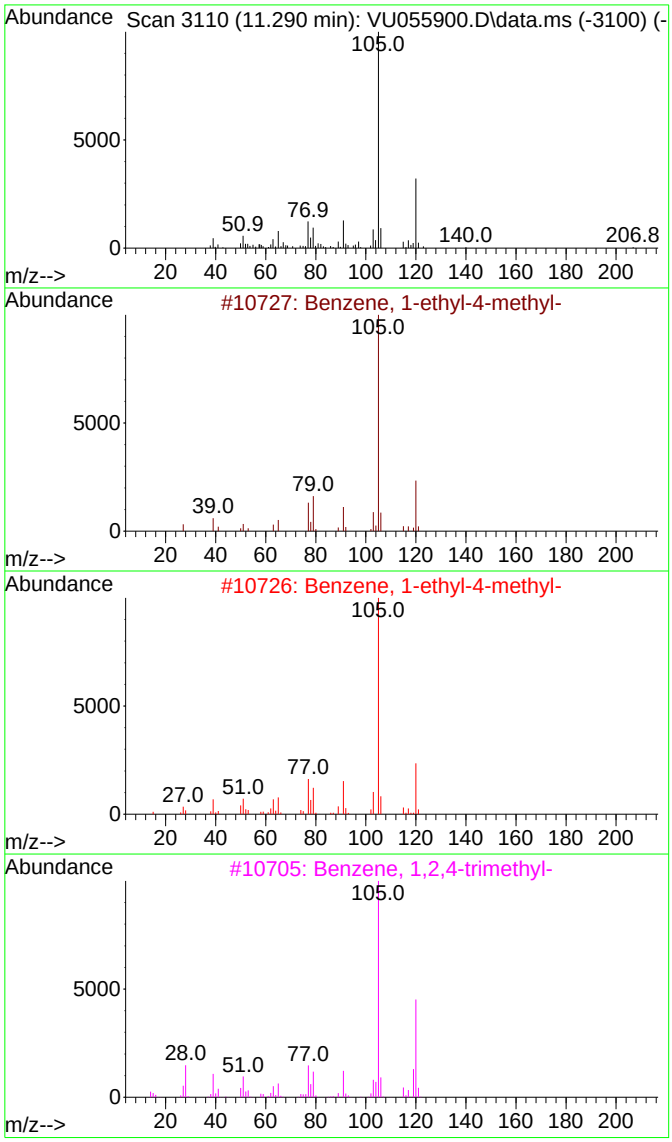
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

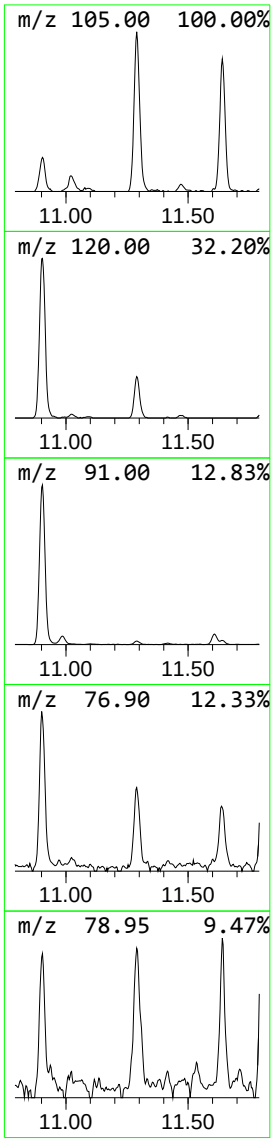
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethyl-4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.290	3.54 ug/L	124268	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





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Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

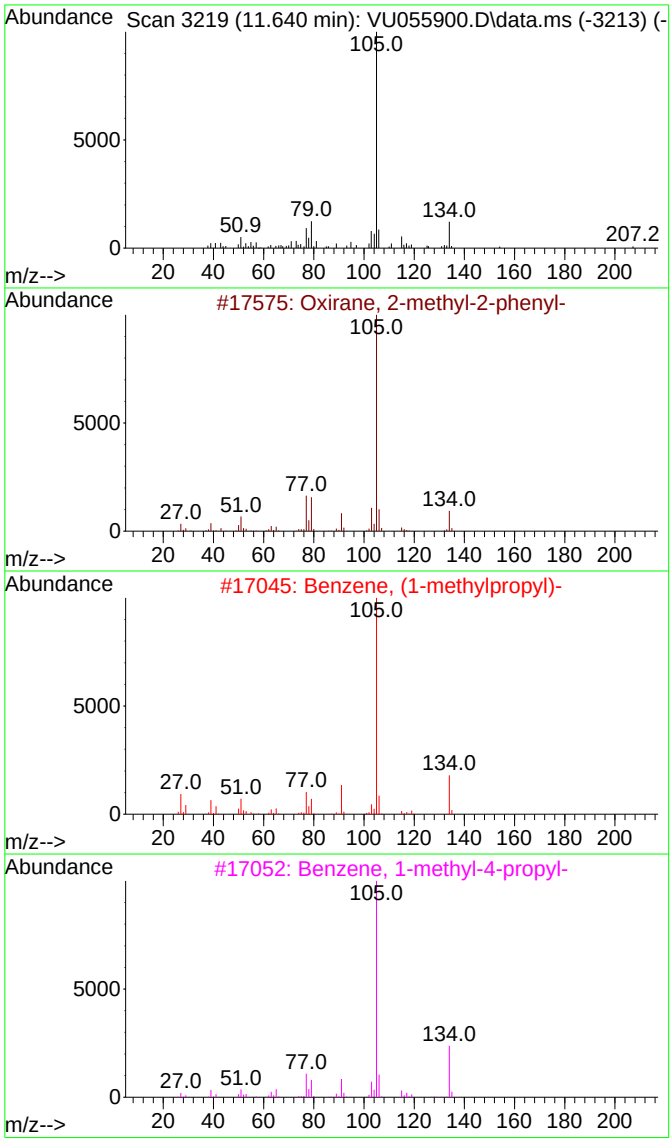
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

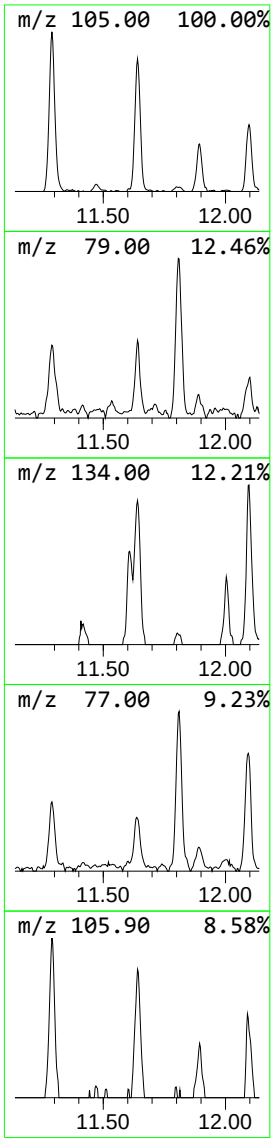
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Oxirane, 2-methyl-2-phenyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.640	2.54 ug/L	88906	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	80
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	72
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	72





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Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

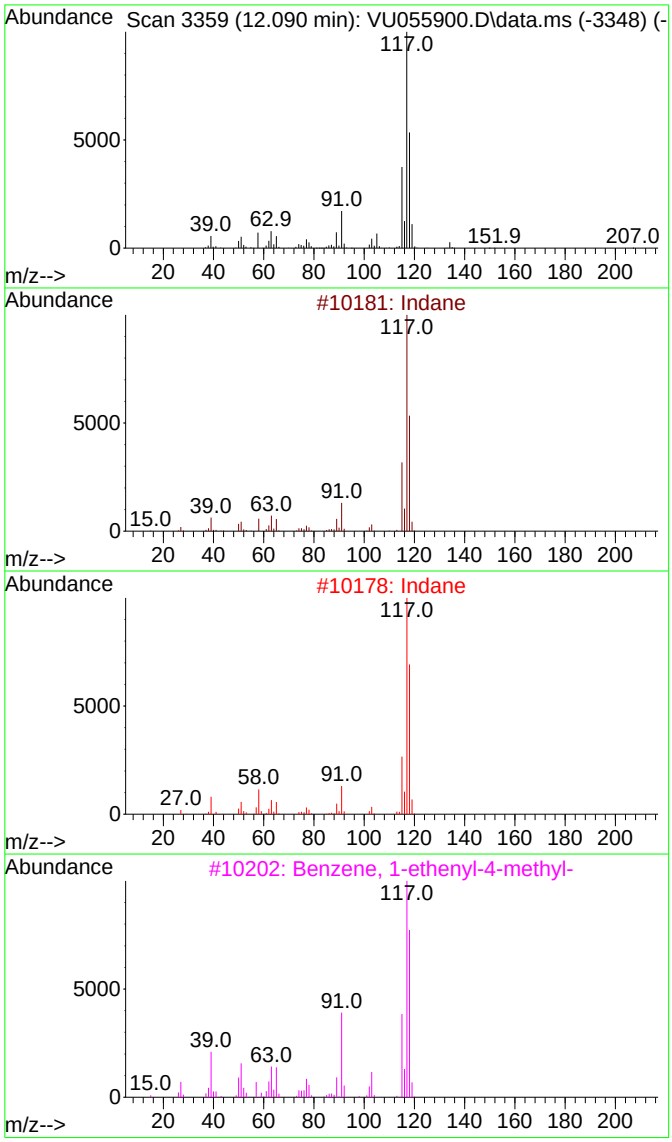
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

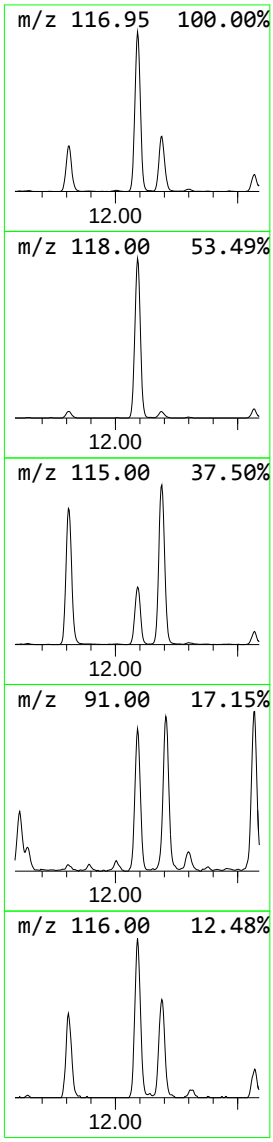
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.090	18.53 ug/L	649698	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	74
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





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Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

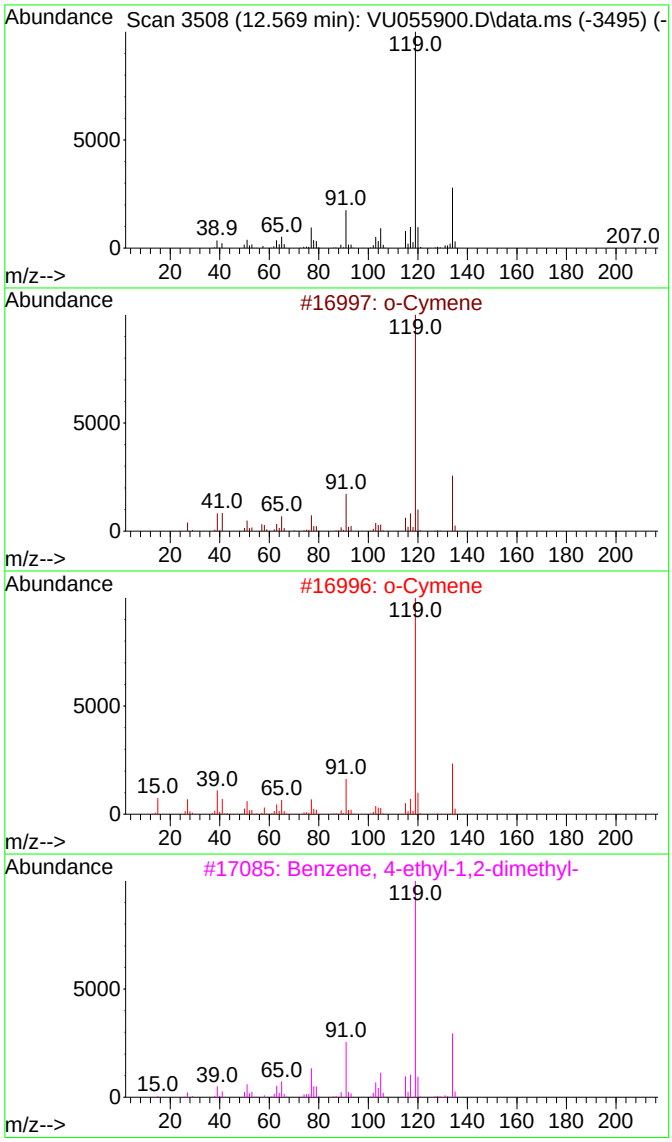
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

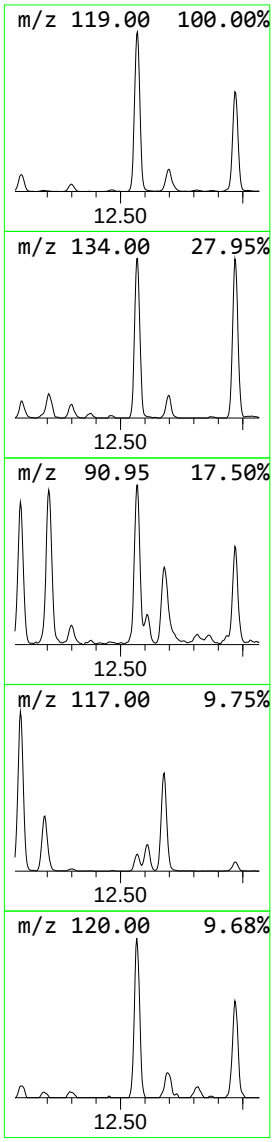
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.569	15.43 ug/L	541036	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

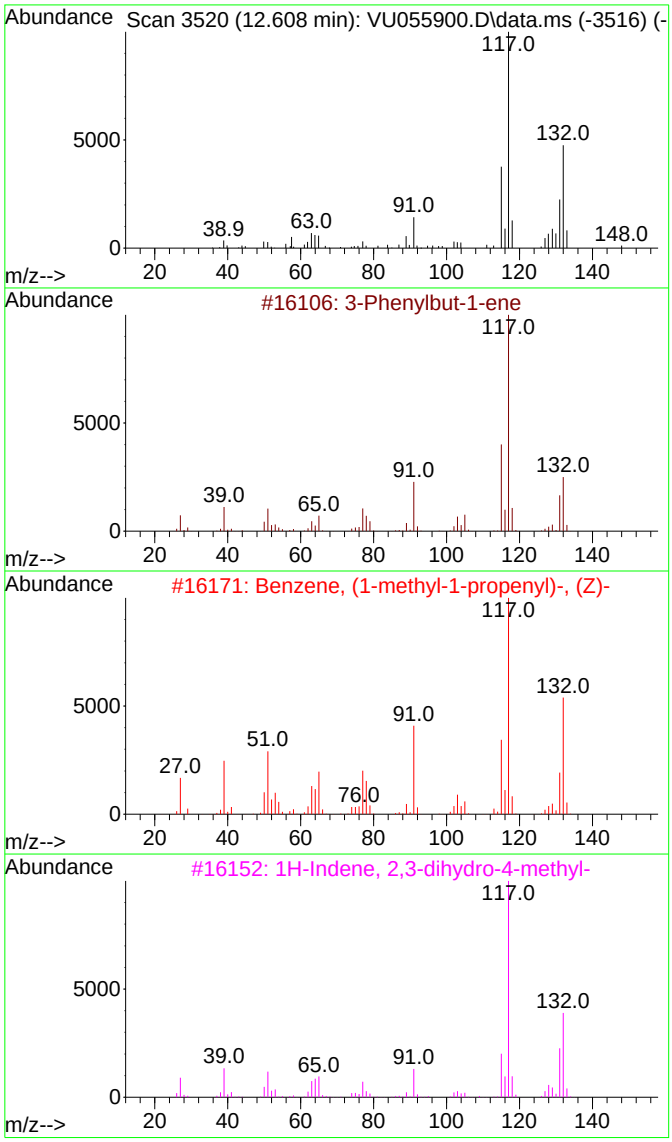
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

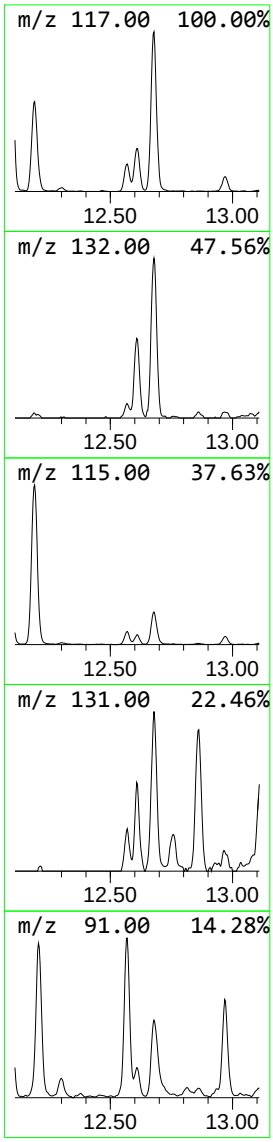
****

Peak Number 11 3-Phenylbut-1-ene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.608	2.91 ug/L	101971	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	87





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Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

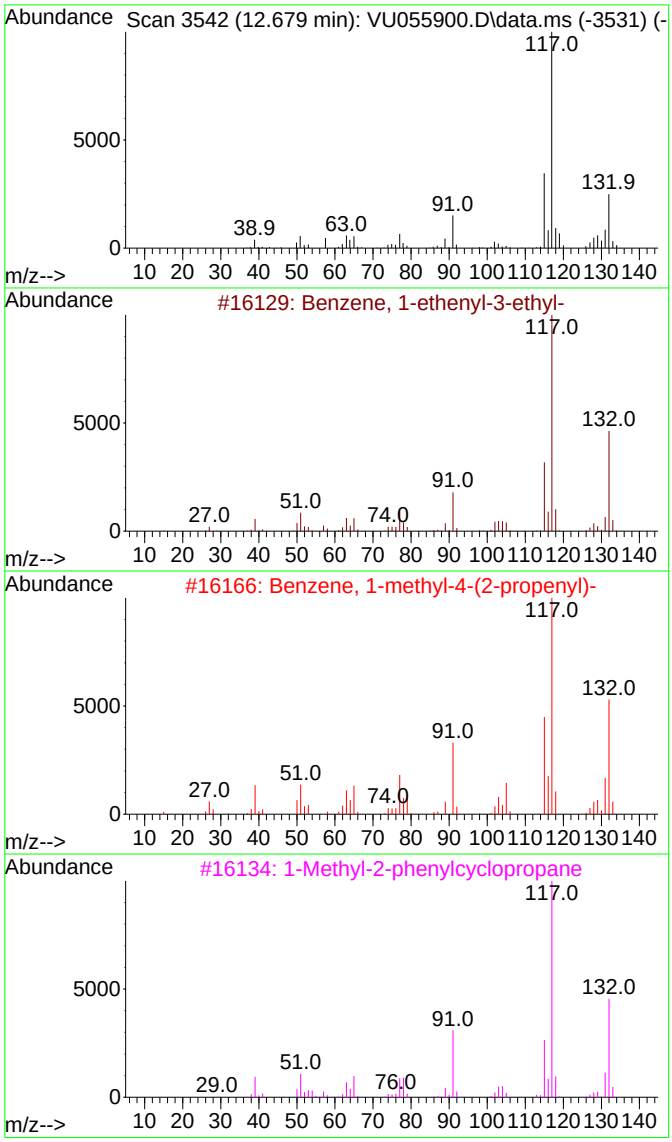
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

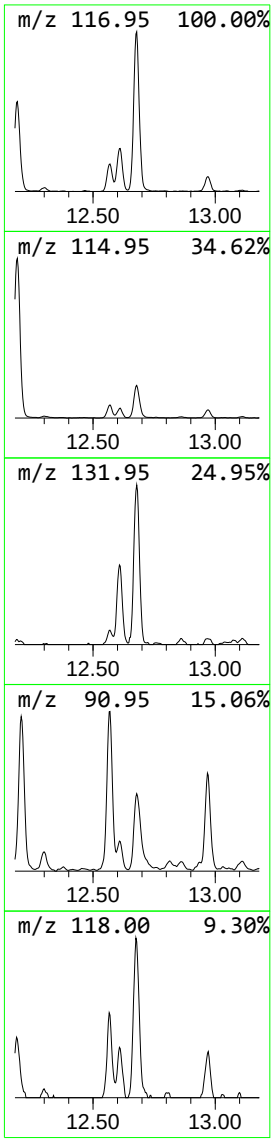
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.679	12.45 ug/L	436578	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	86
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	81





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Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

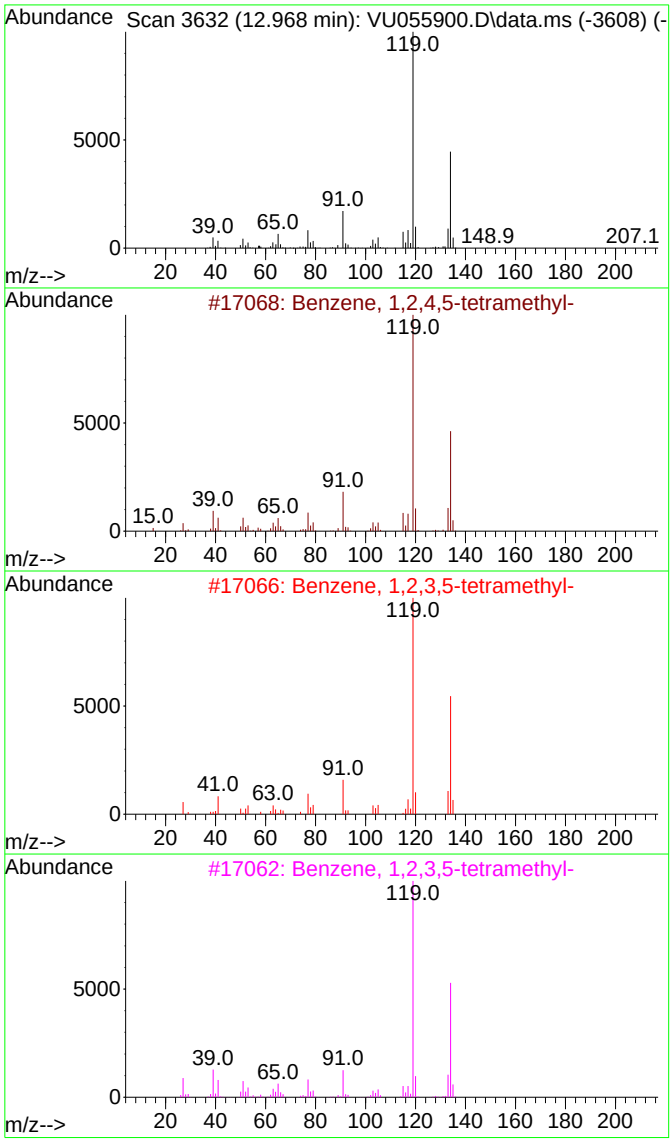
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

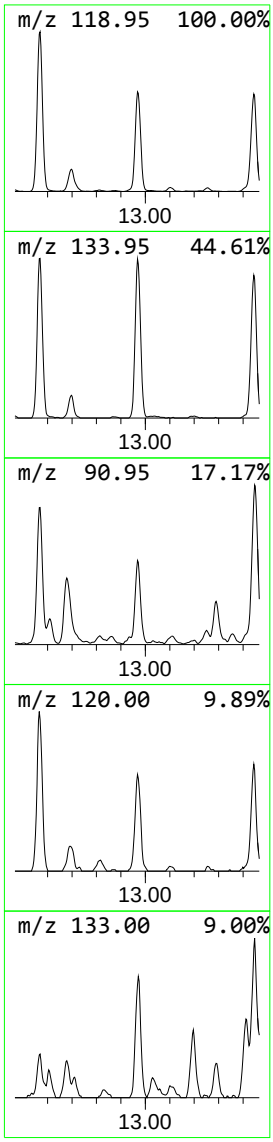
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.968	11.02 ug/L	386335	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





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Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

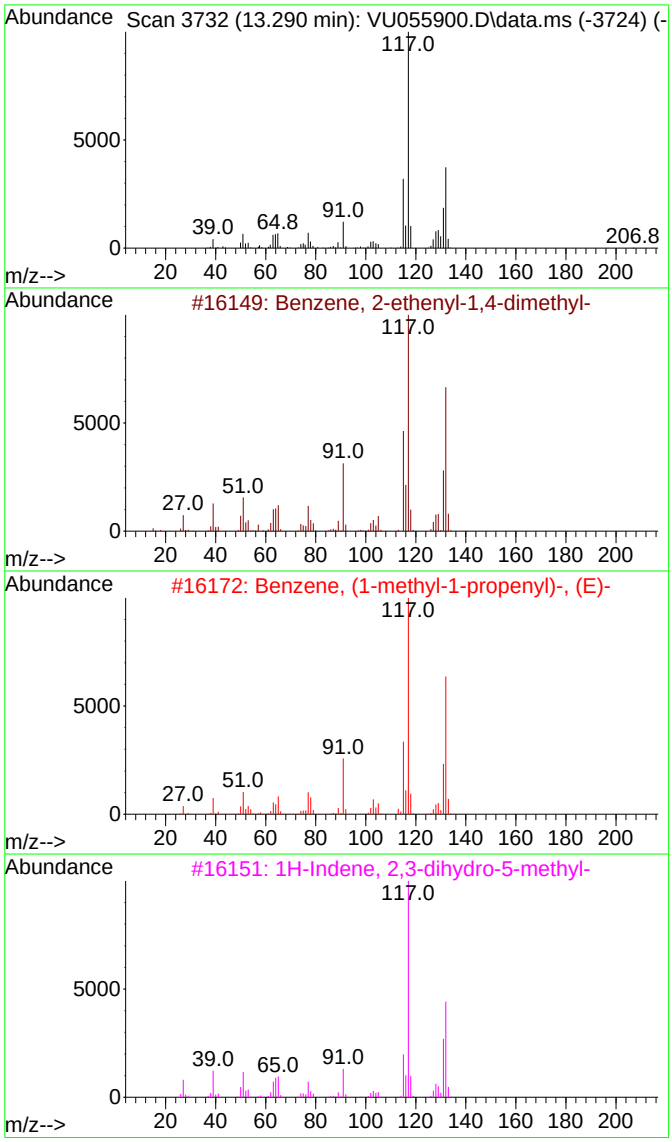
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

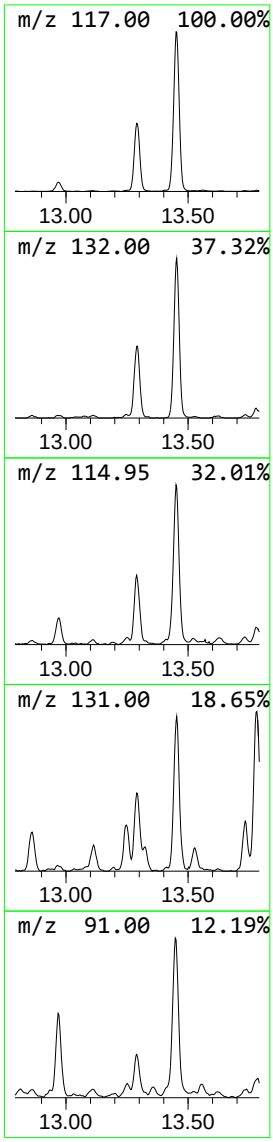
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.290	8.06 ug/L	282839	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90





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Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

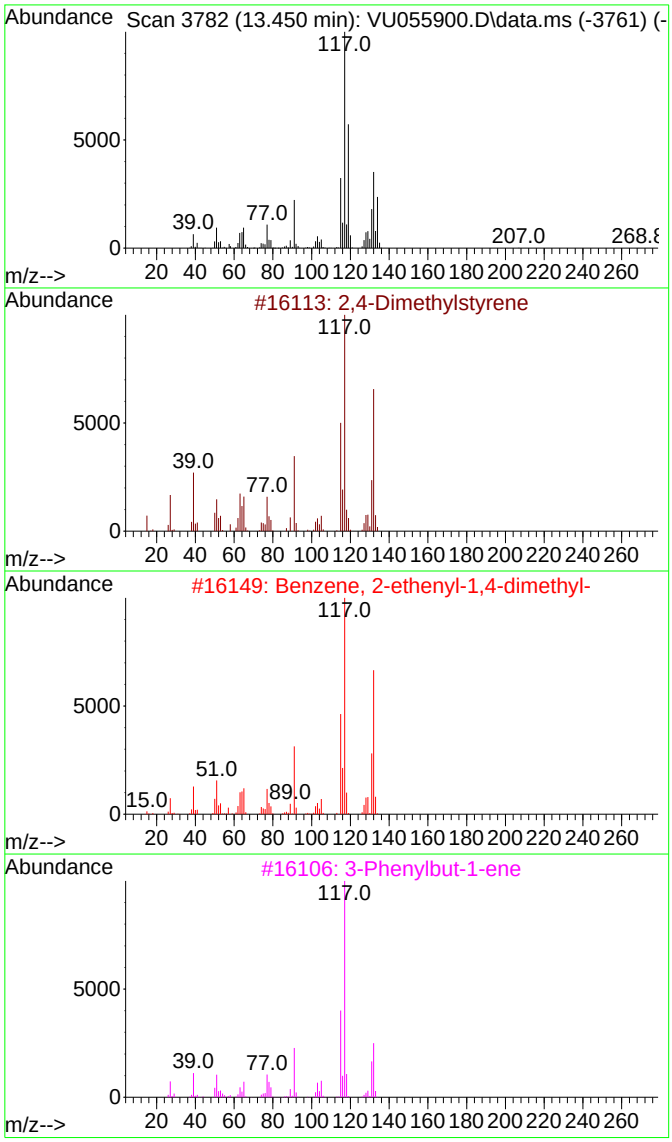
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

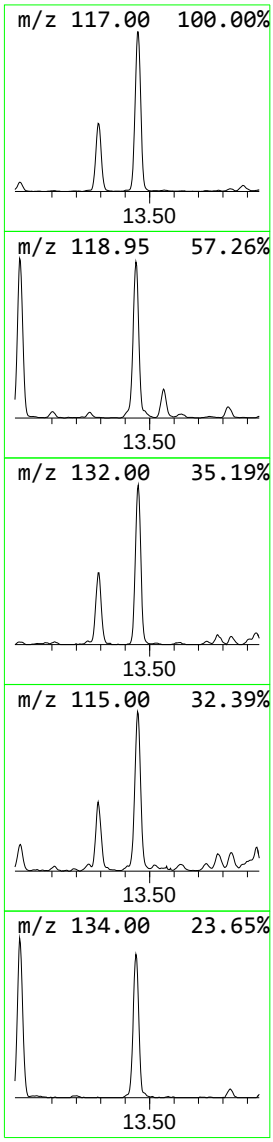
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 2,4-Dimethylstyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.450	29.10 ug/L	1020480	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	64
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64





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Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

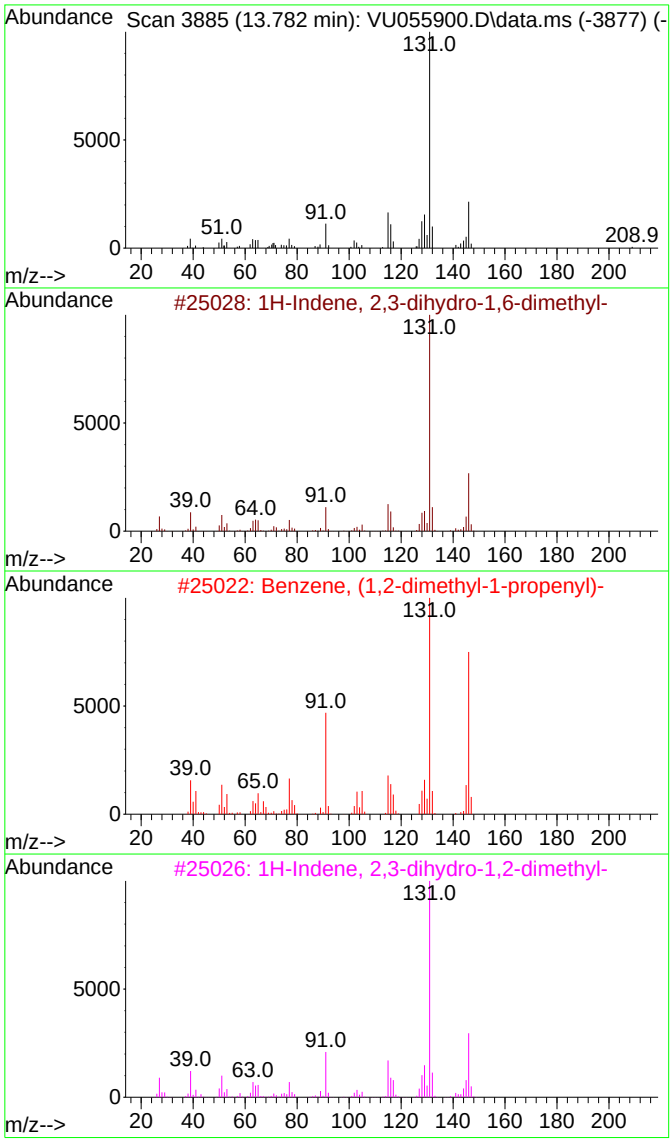
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

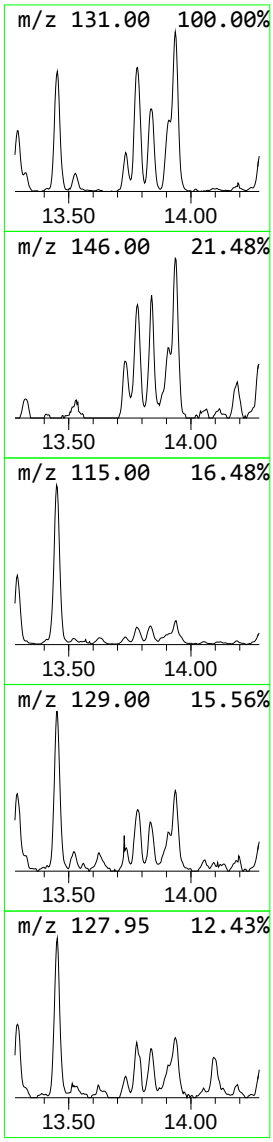
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.781	3.46 ug/L	121519	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	95
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

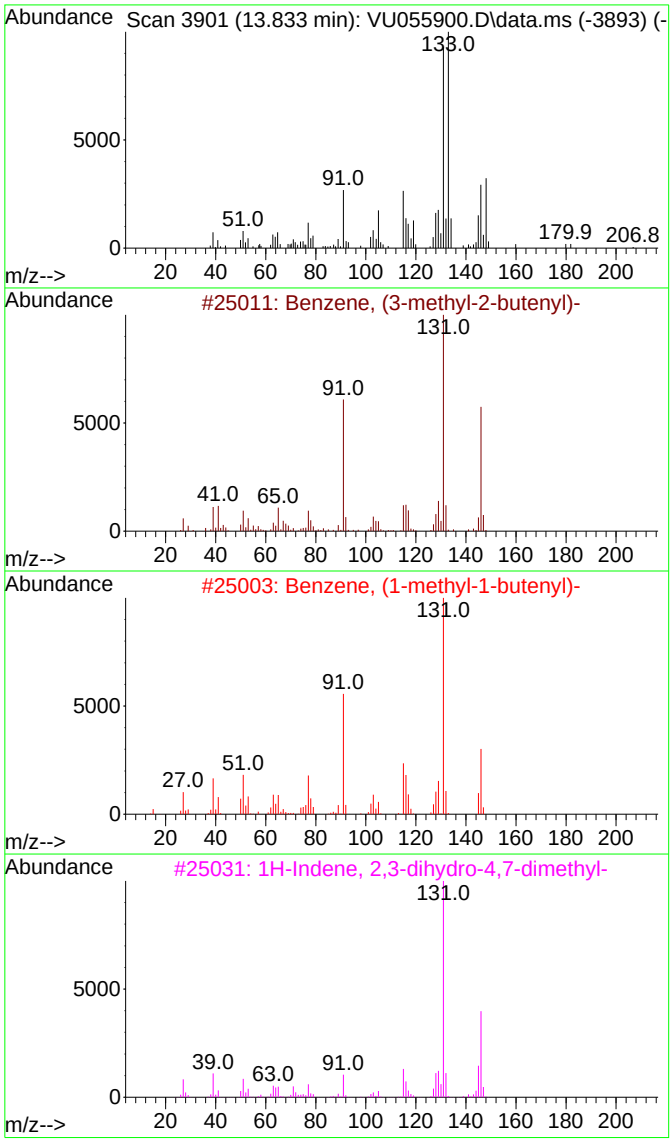
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

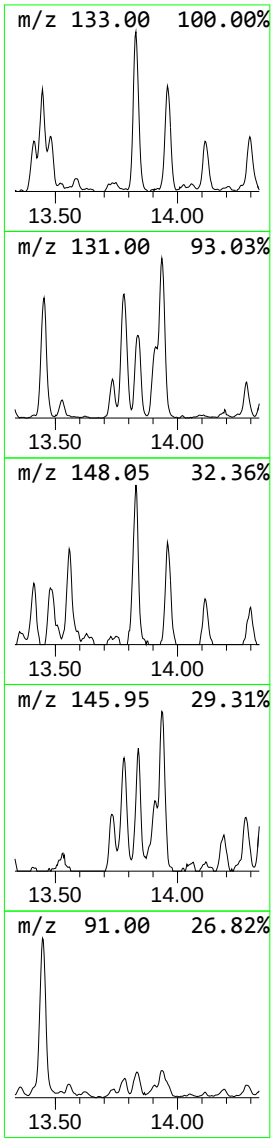
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, (3-methyl-2-butenyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	5.04 ug/L	176881	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	50





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Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

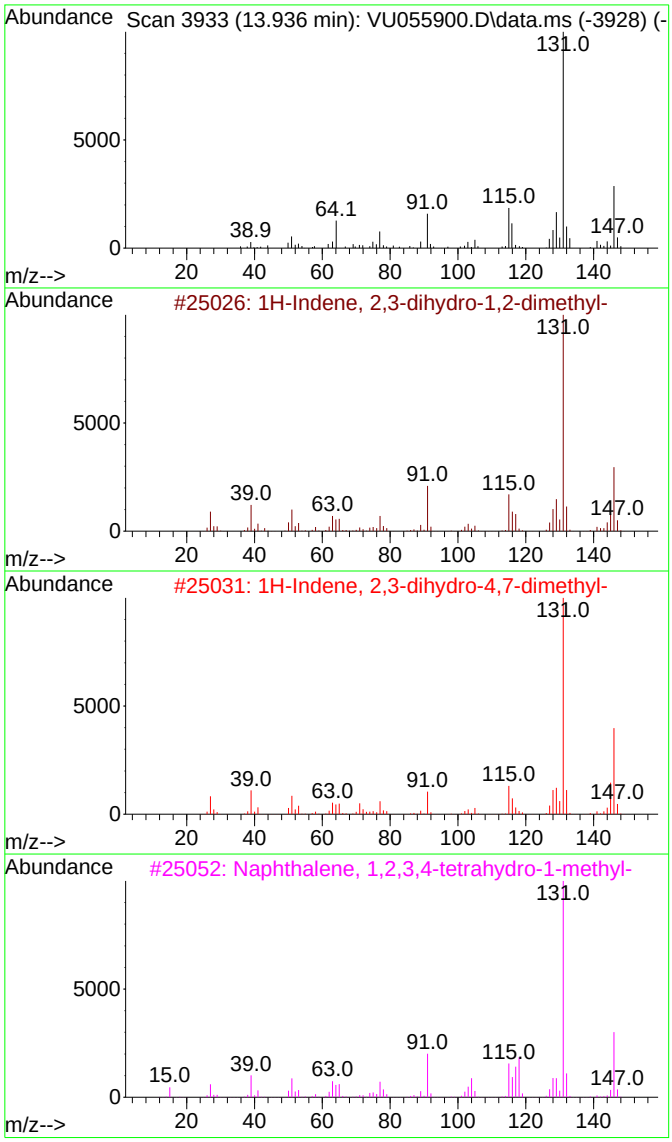
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

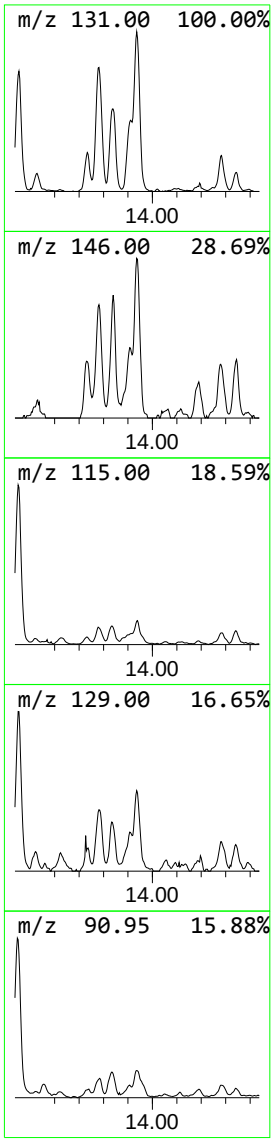
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.936	5.51 ug/L	193103	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

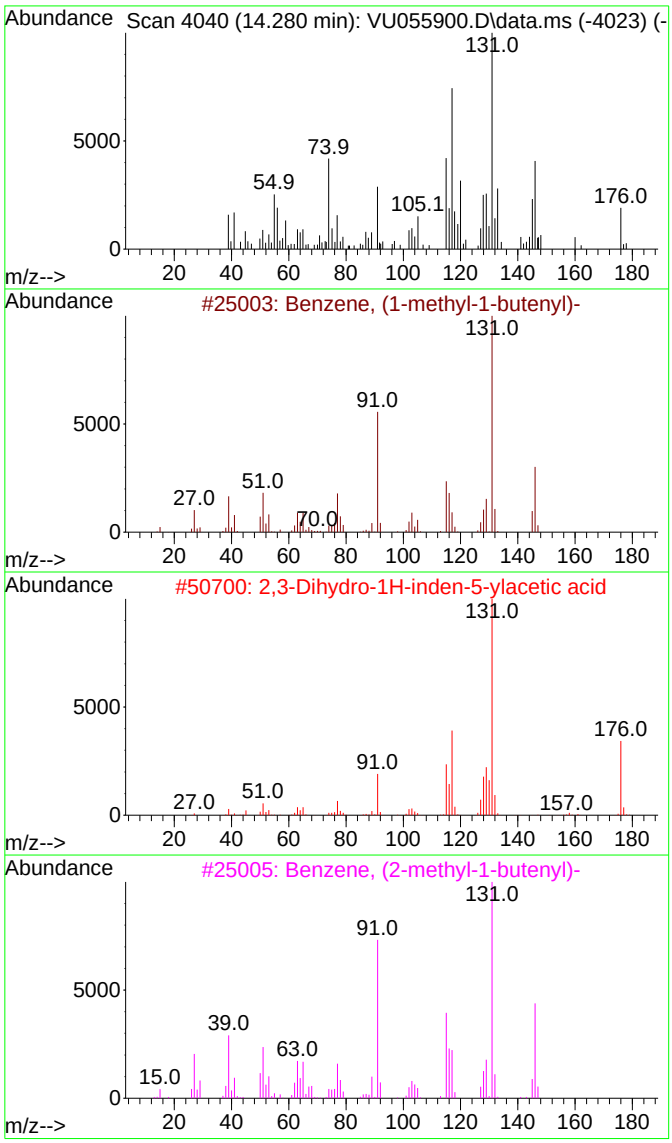
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

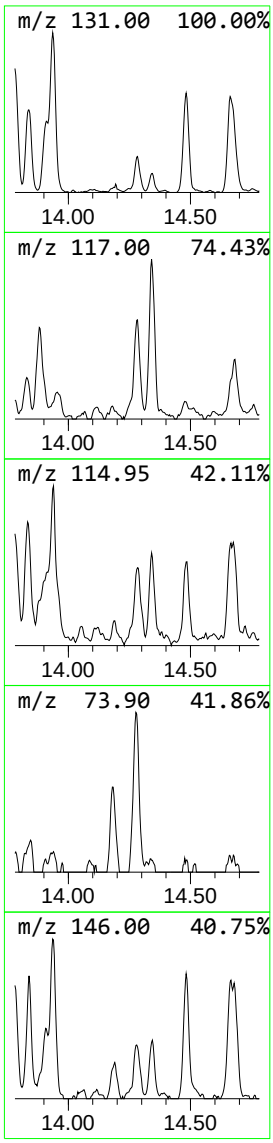
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, (1-methyl-1-butenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.280	3.59 ug/L	125746	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50
2	2,3-Dihydro-1H-inden-5-ylacetic ...	176	C11H12O2	005453-98-5	49
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	46
4	1H-Indene-4-carboxaldehyde, 2,3-...	146	C10H10O	051932-70-8	45
5	1H-Indene-4-carboxaldehyde, 2,3-...	146	C10H10O	051932-70-8	45





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Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

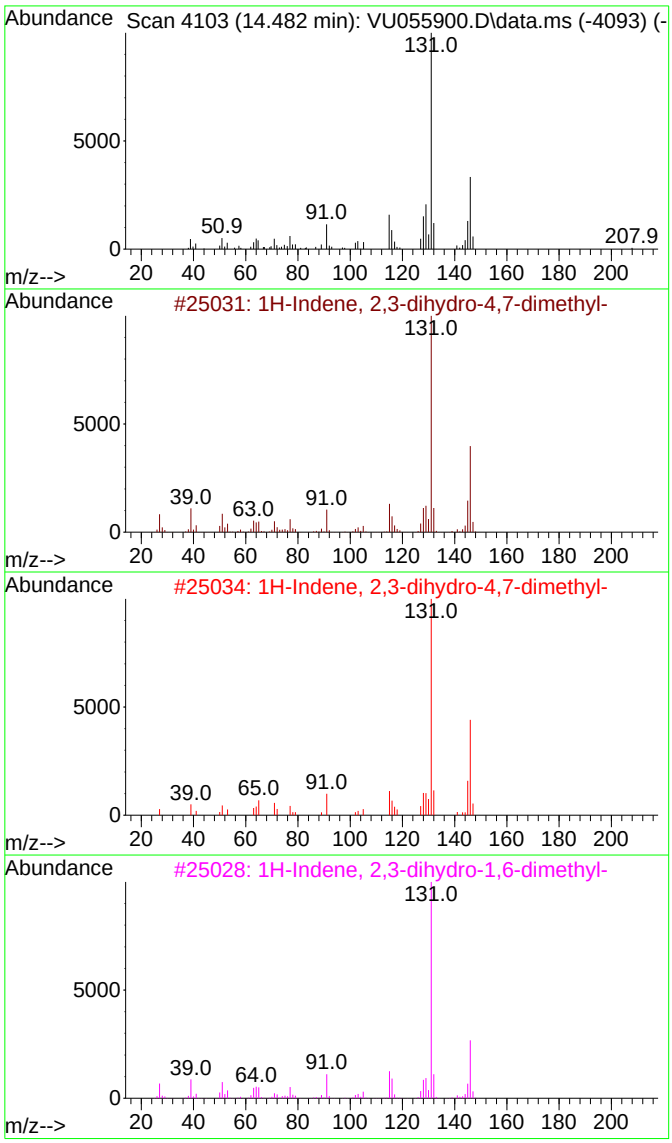
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

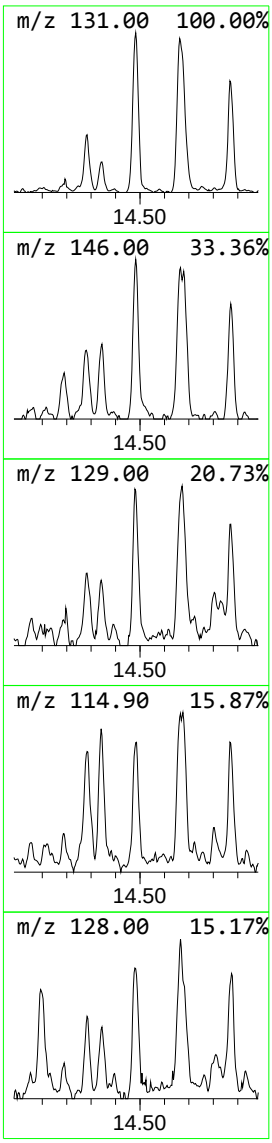
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.483	3.17 ug/L	111281	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

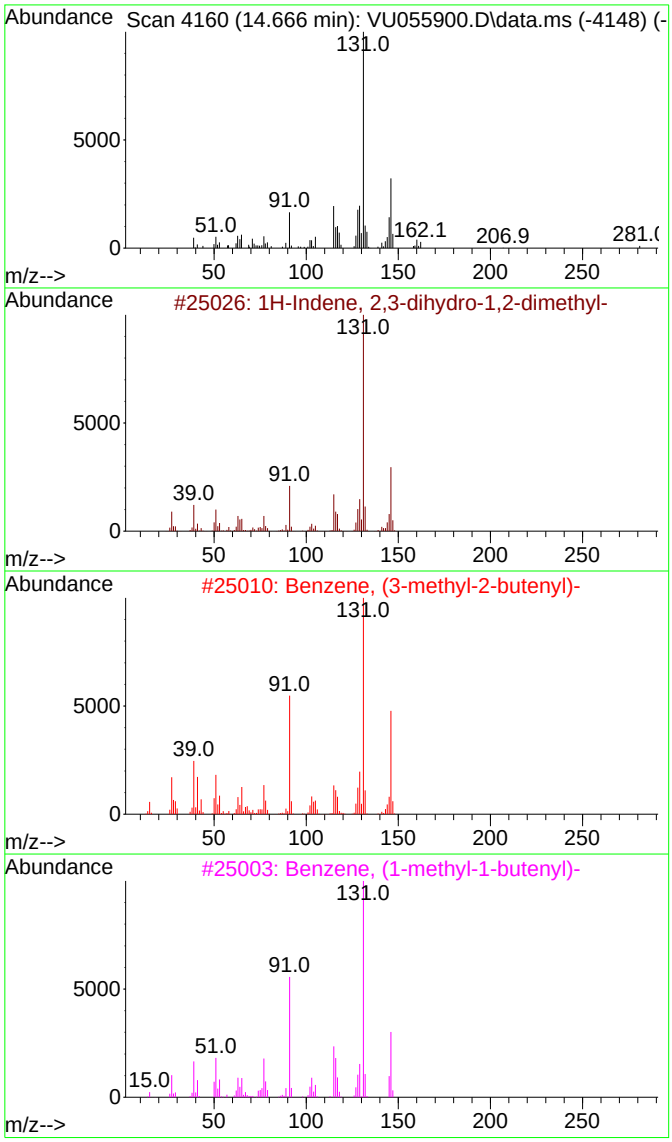
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

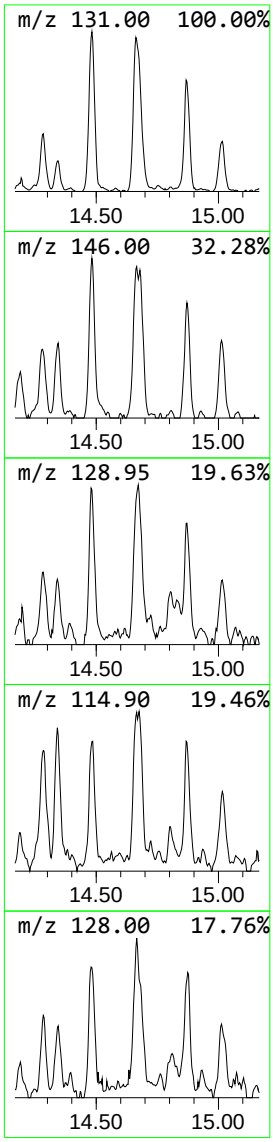
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.666	4.81 ug/L	168744	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	95
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	87
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

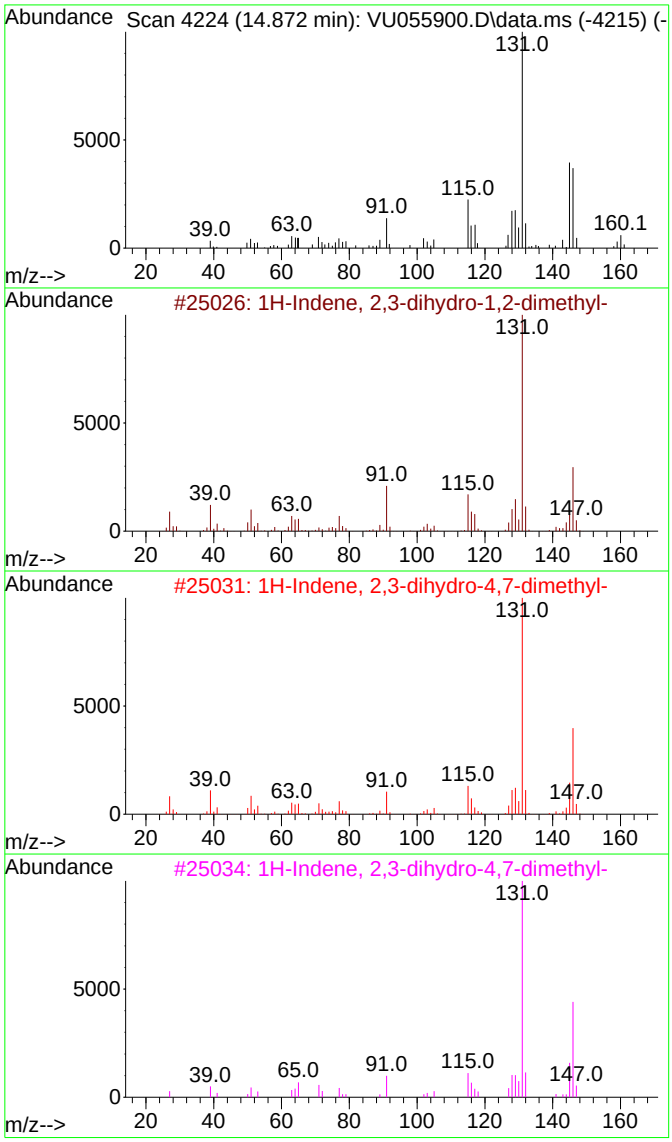
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

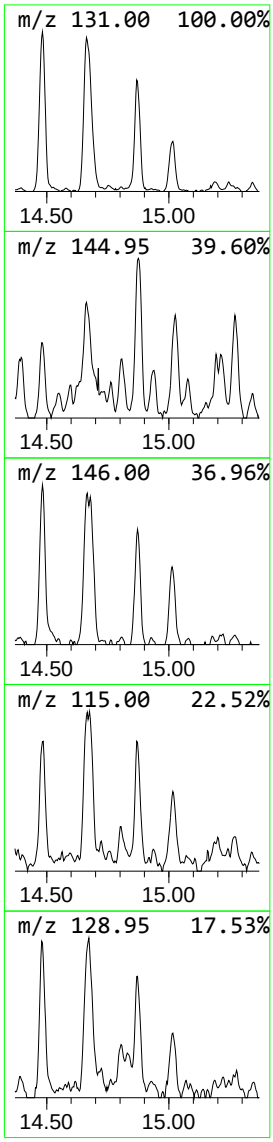
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.871	2.57 ug/L	90171	1,4-Dichlorobenzene-d4	11.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
Data File : VU055900.D
Acq On : 26 Oct 2023 12:42
Operator : MD/SY
Sample : 04952-05DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EOAR4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	3.972	3.7	ug/L	98307	1	6.245	1323830	50.0
(DEL) Alkane: C...	4.525	3.6	ug/L	96677	1	6.245	1323830	50.0
Cyclohexene	5.891	2.7	ug/L	71176	1	6.245	1323830	50.0
Cyclobutane, (1...	7.393	3.1	ug/L	82685	1	6.245	1323830	50.0
Benzene, propyl-	10.904	13.1	ug/L	460071	3	11.807	1753550	50.0
Benzene, 1-ethy...	11.290	3.5	ug/L	124268	3	11.807	1753550	50.0
Oxirane, 2-meth...	11.640	2.5	ug/L	88906	3	11.807	1753550	50.0
Indane	12.090	18.5	ug/L	649698	3	11.807	1753550	50.0
o-Cymene	12.569	15.4	ug/L	541036	3	11.807	1753550	50.0
3-Phenylbut-1-ene	12.608	2.9	ug/L	101971	3	11.807	1753550	50.0
Benzene, 1-ethe...	12.679	12.4	ug/L	436578	3	11.807	1753550	50.0
Benzene, 1,2,4,...	12.968	11.0	ug/L	386335	3	11.807	1753550	50.0
Benzene, 2-ethe...	13.290	8.1	ug/L	282839	3	11.807	1753550	50.0
2,4-Dimethylsty...	13.450	29.1	ug/L	1020480	3	11.807	1753550	50.0
1H-Indene, 2,3-...	13.781	3.5	ug/L	121519	3	11.807	1753550	50.0
Benzene, (3-met...	13.833	5.0	ug/L	176881	3	11.807	1753550	50.0
1H-Indene, 2,3-...	13.936	5.5	ug/L	193103	3	11.807	1753550	50.0
Benzene, (1-met...	14.280	3.6	ug/L	125746	3	11.807	1753550	50.0
1H-Indene, 2,3-...	14.483	3.2	ug/L	111281	3	11.807	1753550	50.0
1H-Indene, 2,3-...	14.666	4.8	ug/L	168744	3	11.807	1753550	50.0
Benzene, (1,2-d...	14.871	2.6	ug/L	90171	3	11.807	1753550	50.0