LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009094.D
Acq On : 20 Dec 2018 19:30
Operator : SY/MD
Sample : J6441-03RE
Misc : 5.41 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE814RE

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\SOM2VLM120618S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.315	64	70	79	rVB	75894	81929	11.36%	1.692%
2	1.579	145	152	165	rVB	89518	98040	13.60%	2.025%
3	1.971	268	274	290	rVB	24025	33021	4.58%	0.682%
4	2.129	310	323	334	rBV	181922	266039	36.89%	5.496%
5	2.200	336	345	367	rVB	17218	35559	4.93%	0.735%
6	2.454	420	424	428	rBV2	318	319	0.04%	0.007%
7	2.537	437	450	463	rBV	19389	32457	4.50%	0.670%
8	2.643	477	483	484	rBV	1108	971	0.13%	0.020%
9	2.791	525	529	530	rBV2	1178	724	0.10%	0.015%
10	2.917	565	568	571	rBV	153	160	0.02%	0.003%
11	2.991	580	591	605	rBV2	5214	11028	1.53%	0.228%
12	3.074	609	617	631	rVB4	3769	6702	0.93%	0.138%
13	3.283	677	682	683	rBV	167	159	0.02%	0.003%
14	3.338	693	699	702	rBV3	441	394	0.05%	0.008%
15	3.396	714	717	723	rBB	174	235	0.03%	0.005%
16	3.441	728	731	734	rBV	280	189	0.03%	0.004%
17	3.524	753	757	762	rBB	162	204	0.03%	0.004%
18	3.611	778	784	790	rBV	206	345	0.05%	0.007%
19	3.675	802	804	810	rBB	168	191	0.03%	0.004%
20	3.733	818	822	826	rBV	280	249	0.03%	0.005%
21	3.804	840	844	847	rBV2	363	316	0.04%	0.007%
22	3.955	873	891	907	rBV4	24165	89362	12.39%	1.846%
23	4.245	979	981	987	rVB2	331	223	0.03%	0.005%
24	4.319	1002	1004	1007	rBV	372	263	0.04%	0.005%
25	4.402	1012	1030	1052	rVV	130839	321101	44.53%	6.633%
26	4.653	1105	1108	1111	rBV	304	226	0.03%	0.005%
27	4.727	1117	1131	1145	rBB3	8652	19289	2.68%	0.398%
28	4.810	1154	1157	1162	rVB	152	187	0.03%	0.004%
29	5.097	1225	1246	1277	rBV2	286964	721075	100.00%	14.896%
30	5.341	1317	1322	1324	rBV	284	248	0.03%	0.005%
31	5.444	1351	1354	1356	rVV	413	230	0.03%	0.005%
32	5.479	1362	1365	1368	rBV	241	163	0.02%	0.003%
33	5.589	1392	1399	1402	rVB3	413	508	0.07%	0.010%
34	5.605	1402	1404	1408	rBB2	280	207	0.03%	0.004%

LSC Area Percent Report

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Operator : SY/MD
Sample : J6441-03RE
Misc : 5.41 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE814RE

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\SOM2VLM120618S.M
Title : VOC Analysis

35	5.666	1408	1423	1443	rBV	276821	556993	77.24%	11.506%
36	5.788	1459	1461	1465	rVB	359	197	0.03%	0.004%
37	5.949	1500	1511	1524	rVB4	10392	21392	2.97%	0.442%
38	6.039	1535	1539	1542	rBV	389	255	0.04%	0.005%
39	6.119	1549	1564	1578	rBV	166658	341896	47.41%	7.063%
40	6.219	1593	1595	1600	rVB2	597	444	0.06%	0.009%
41	6.254	1600	1606	1609	rBV3	520	606	0.08%	0.013%
42	6.302	1615	1621	1623	rBV3	258	263	0.04%	0.005%
43	6.412	1651	1655	1657	rBV	178	171	0.02%	0.004%
44	6.820	1772	1782	1788	rBV6	2014	2722	0.38%	0.056%
45	7.029	1834	1847	1868	rBV2	77058	136562	18.94%	2.821%
46	7.164	1886	1889	1894	rVB3	481	397	0.06%	0.008%
47	7.280	1919	1925	1926	rBV2	871	750	0.10%	0.015%
48	7.360	1938	1950	1967	rBV	320985	549406	76.19%	11.350%
49	7.537	2001	2005	2008	rBV2	427	444	0.06%	0.009%
50	7.666	2034	2045	2064	rBV	40775	73973	10.26%	1.528%
51	7.830	2093	2096	2098	rBV2	845	564	0.08%	0.012%
52	7.871	2106	2109	2111	rBV	286	201	0.03%	0.004%
53	7.987	2136	2145	2152	rBV3	2910	4619	0.64%	0.095%
54	8.142	2182	2193	2222	rBV3	46683	105906	14.69%	2.188%
55	8.389	2264	2270	2273	rBV4	2189	2546	0.35%	0.053%
56	8.469	2288	2295	2297	rBV3	1606	1590	0.22%	0.033%
57	8.749	2379	2382	2386	rVV2	265	213	0.03%	0.004%
58	8.801	2394	2398	2402	rVB	705	504	0.07%	0.010%
59	8.897	2415	2428	2447	rBV	307071	516660	71.65%	10.673%
60	9.051	2467	2476	2486	rBV6	1062	1799	0.25%	0.037%
61	9.158	2499	2509	2527	rBV5	10294	23389	3.24%	0.483%
62	9.280	2543	2547	2553	rVB5	1338	1529	0.21%	0.032%
63	9.363	2559	2573	2584	rBV4	6689	10631	1.47%	0.220%
64	9.540	2610	2628	2638	rBV5	12399	22528	3.12%	0.465%
65	9.592	2640	2644	2645	rBV2	1219	844	0.12%	0.017%
66	9.698	2668	2677	2686	rBV7	3060	4979	0.69%	0.103%
67	9.752	2689	2694	2703	rVB3	3298	4066	0.56%	0.084%
68	9.977	2757	2764	2766	rBV4	2141	2330	0.32%	0.048%
69	10.058	2787	2789	2793	rVB	302	159	0.02%	0.003%
70	10.170	2814	2824	2836	rBV6	7894	14736	2.04%	0.304%
71	10.264	2842	2853	2870	rVB	97706	162007	22.47%	3.347%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009094.D
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Operator : SY/MD
Sample : J6441-03RE
Misc : 5.41 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE814RE

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\SOM2VLM120618S.M
Title : VOC Analysis

72	10.347	2870	2879	2880	rBV4	1555	1999	0.28%	0.041%
73	10.428	2896	2904	2914	rVB3	7546	12871	1.78%	0.266%
74	10.466	2914	2916	2917	rBV2	376	193	0.03%	0.004%
75	10.489	2917	2923	2924	rBV4	1149	1117	0.15%	0.023%
76	10.556	2940	2944	2950	rVV5	863	1118	0.16%	0.023%
77	10.611	2956	2961	2963	rBV4	1303	1211	0.17%	0.025%
78	10.743	2998	3002	3006	rVB2	342	221	0.03%	0.005%
79	10.781	3006	3014	3021	rBV5	2283	3425	0.47%	0.071%
80	10.955	3062	3068	3075	rBV6	1398	1893	0.26%	0.039%
81	11.067	3095	3103	3116	rVB3	6225	9948	1.38%	0.206%
82	11.186	3135	3140	3142	rBV2	868	764	0.11%	0.016%
83	11.231	3150	3154	3161	rVB3	552	698	0.10%	0.014%
84	11.299	3163	3175	3192	rVV	144536	240810	33.40%	4.975%
85	11.376	3197	3199	3203	rVB2	486	227	0.03%	0.005%
86	11.479	3225	3231	3235	rVB4	1190	1303	0.18%	0.027%
87	11.675	3280	3292	3308	rBV	135912	223253	30.96%	4.612%
88	11.733	3308	3310	3316	rVB3	372	221	0.03%	0.005%
89	11.833	3336	3341	3345	rBV4	537	473	0.07%	0.010%
90	11.881	3352	3356	3357	rBV3	406	263	0.04%	0.005%
91	11.891	3357	3359	3361	rVV2	334	169	0.02%	0.003%
92	12.093	3411	3422	3432	rBV2	23387	37578	5.21%	0.776%
93	12.135	3432	3435	3440	rVV2	200	181	0.03%	0.004%
94	12.292	3475	3484	3494	rVB3	2788	4119	0.57%	0.085%
95	12.347	3494	3501	3508	rBV3	1495	1969	0.27%	0.041%
96	12.820	3644	3648	3653	rBV2	220	169	0.02%	0.003%
97	13.800	3944	3953	3959	rBV3	2332	3334	0.46%	0.069%
98	14.144	4056	4060	4062	rBV	222	185	0.03%	0.004%
99	14.247	4089	4092	4097	rBV2	297	251	0.03%	0.005%
100	14.550	4183	4186	4189	rVB	358	199	0.03%	0.004%

Sum of corrected areas: 4840746

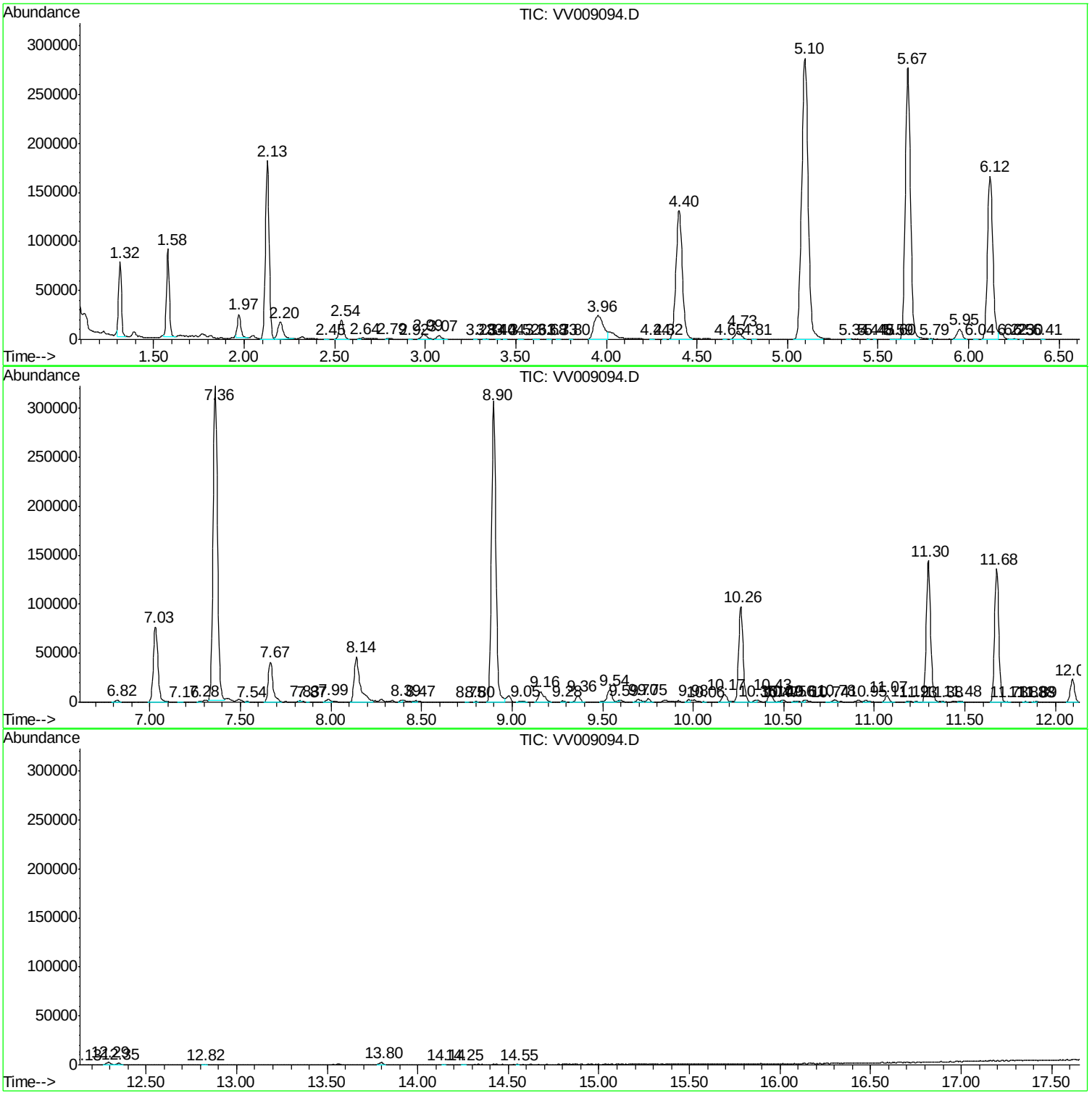
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009094.D
Acq On : 20 Dec 2018 19:30
Operator : SY/MD
Sample : J6441-03RE
Misc : 5.41 G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE814RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
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Quant Title : VOC Analysis

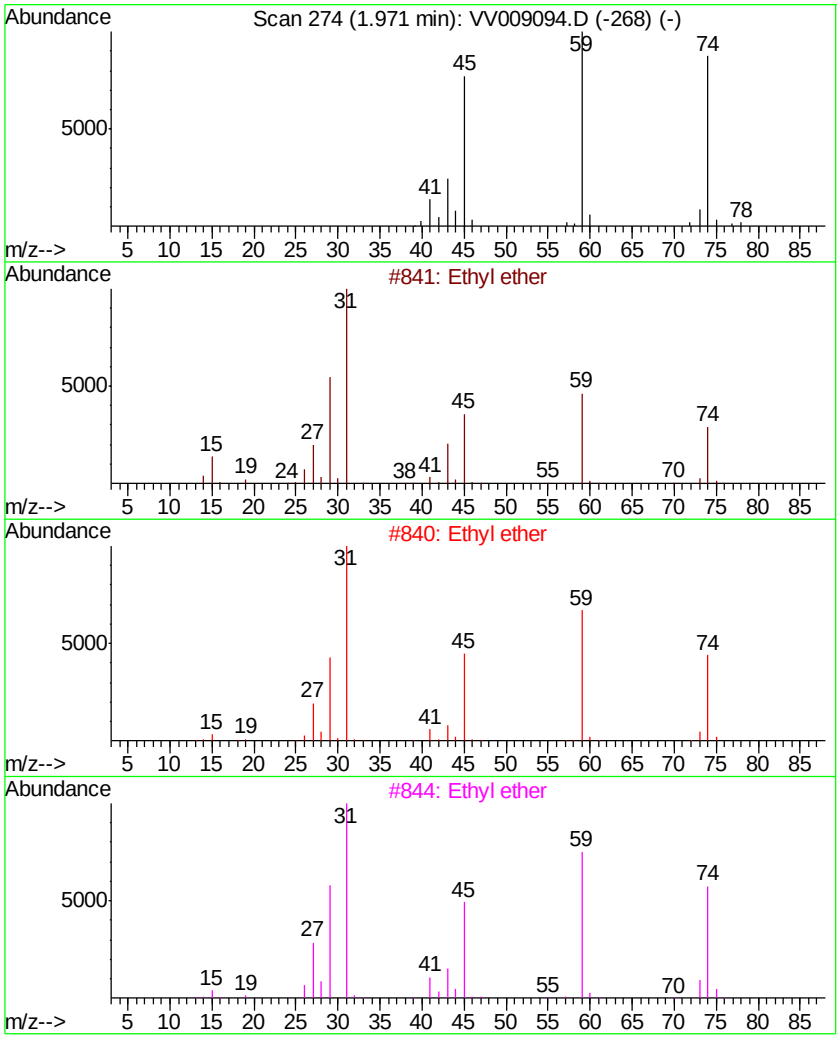
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

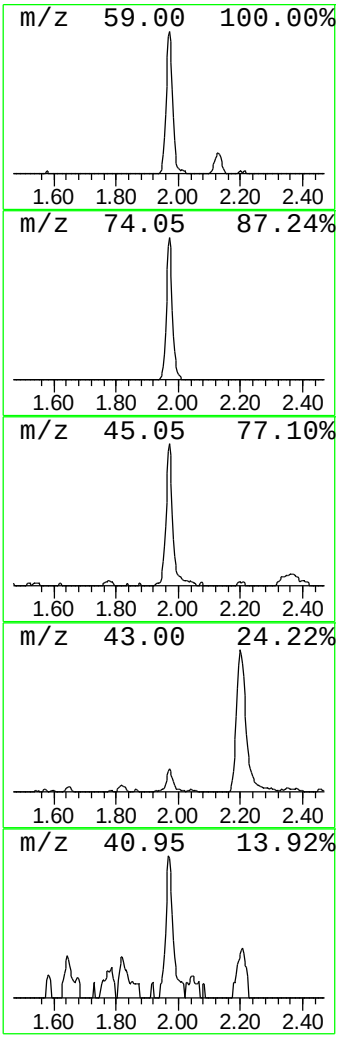
****

Peak Number 1 Ethyl ether Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.97	1.48 ug/L	33021	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	64
4	Hydrazine, propyl-	74	C3H10N2	005039-61-2	50
5	Ethyl ether	74	C4H10O	000060-29-7	50





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV122018\
Data File : VV009094.D
Acq On : 20 Dec 2018 19:30
Operator : SY/MD
Sample : J6441-03RE
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE814RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

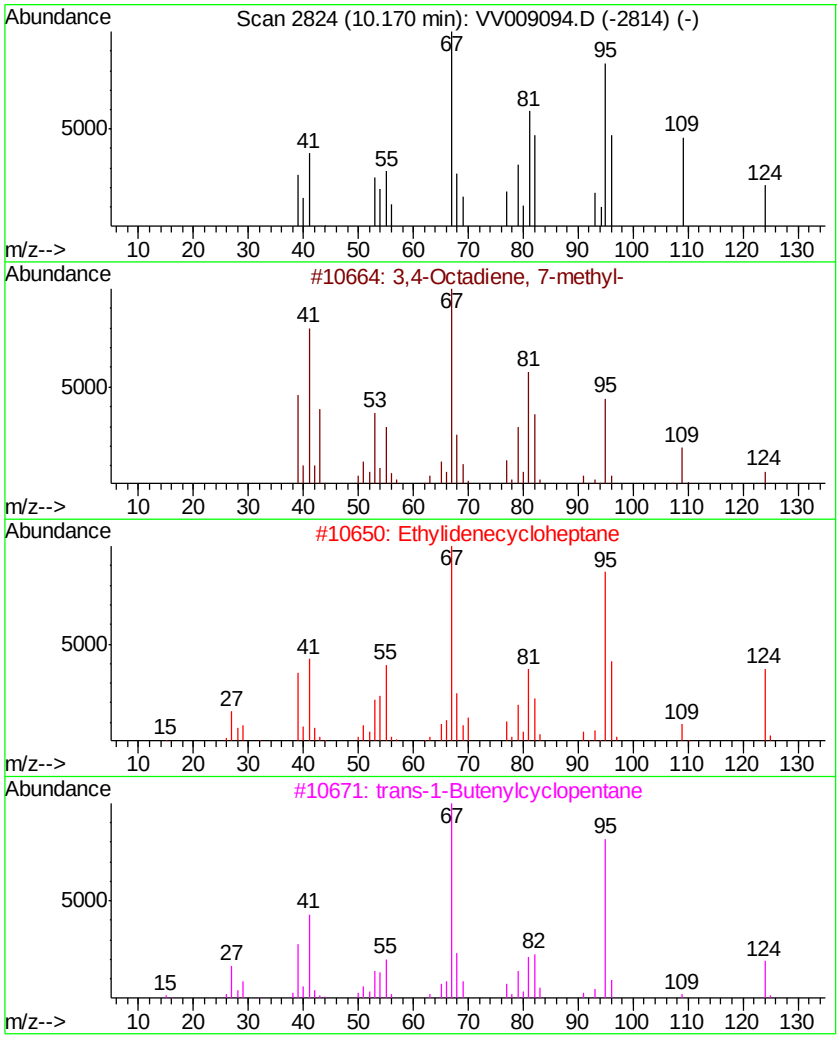
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

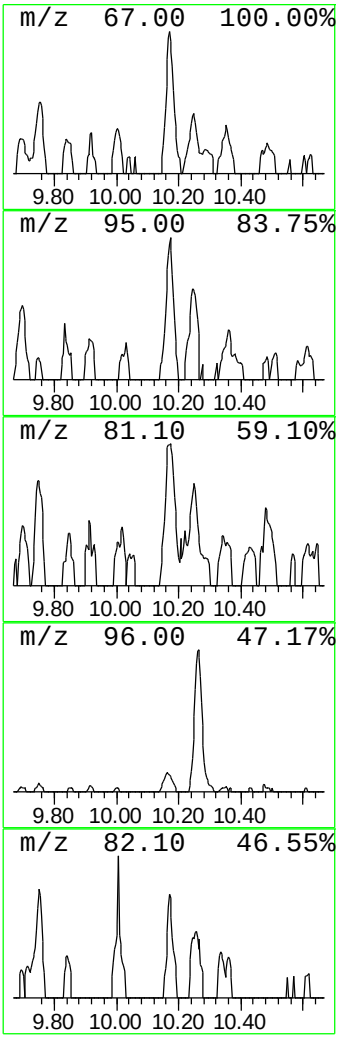
****

Peak Number 3 3,4-Octadiene, 7-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	1.53 ug/L	14736	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	95
2	Ethylidenecycloheptane	124	C9H16	010494-87-8	72
3	trans-1-Butenylcyclopentane	124	C9H16	1000113-50-9	52
4	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	49
5	Cyclopentane, (2-methyl-1-propen...	124	C9H16	053366-57-7	47





Library Search Compound Report

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Instrument : MSVOA_V
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

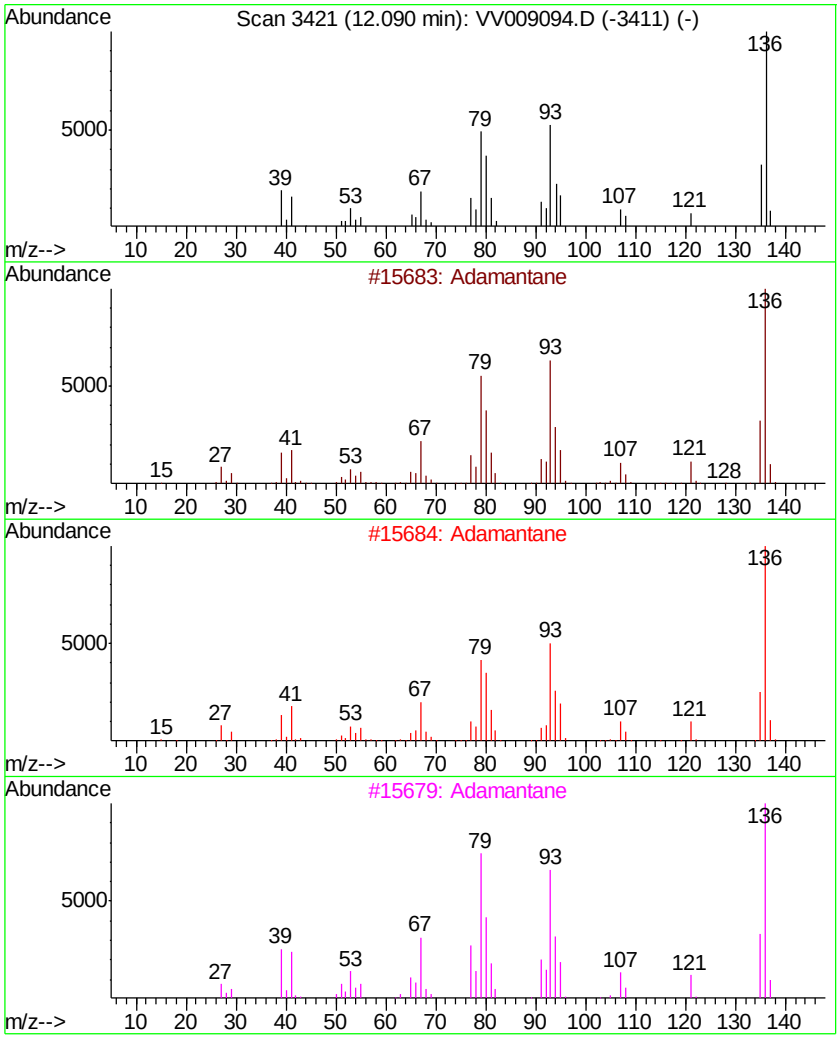
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

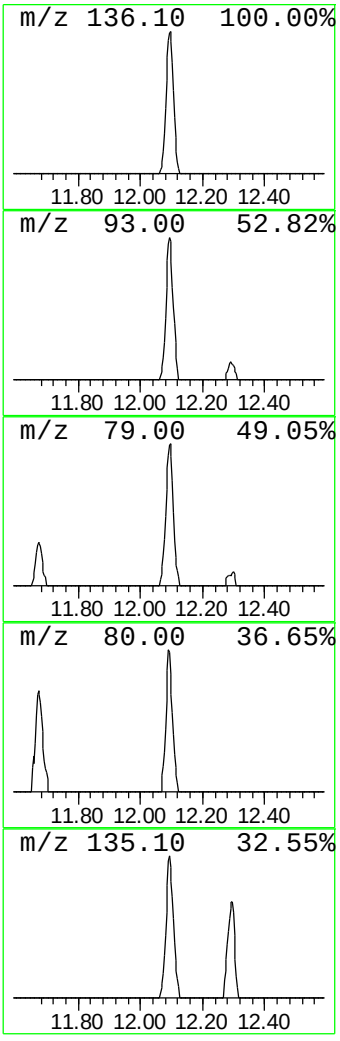
****

Peak Number 5 Adamantane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	3.90 ug/L	37578	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	98
2	Adamantane	136	C10H16	000281-23-2	97
3	Adamantane	136	C10H16	000281-23-2	95
4	Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	68
5	Cyclohexane, 1-methylene-4-(1-me...	136	C10H16	000499-97-8	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122018\
Data File : VV009094.D
Acq On : 20 Dec 2018 19:30
Operator : SY/MD
Sample : J6441-03RE
Misc : 5.41 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE814RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.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
Ethyl ether	1.97	1.5	ug/L	33021	1	5.67	556993	25.0
3,4-Octadiene, 7-...	10.17	1.5	ug/L	14736	3	11.30	240810	25.0
Adamantane	12.09	3.9	ug/L	37578	3	11.30	240810	25.0