LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
Data File : VU040165.D
Acq On : 16 Sep 2020 22:41
Operator : SY/MD
Sample : L4046-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR083120WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.395	12	17	25	rVB	12848	14174	2.12%	0.224%
2	1.604	72	82	91	rBV	46643	57964	8.67%	0.916%
3	1.925	173	182	196	rVB	39515	54213	8.11%	0.856%
4	2.231	265	277	286	rBV5	4837	9190	1.37%	0.145%
5	2.388	315	326	344	rVB	82459	125644	18.79%	1.985%
6	2.581	370	386	402	rBV	81394	135645	20.28%	2.143%
7	3.382	619	635	650	rBV2	18827	42655	6.38%	0.674%
8	4.015	810	832	853	rBV	256242	668797	100.00%	10.564%
9	4.359	926	939	949	rVB5	5618	13261	1.98%	0.209%
10	4.665	1016	1034	1071	rBV	51614	203476	30.42%	3.214%
11	5.086	1148	1165	1196	rBV2	84642	208146	31.12%	3.288%
12	5.742	1347	1369	1379	rBV3	146748	383711	57.37%	6.061%
13	5.790	1380	1384	1401	rVB3	43866	72546	10.85%	1.146%
14	6.263	1516	1531	1549	rBV	159377	296473	44.33%	4.683%
15	6.703	1654	1668	1693	rVB2	92457	185639	27.76%	2.932%
16	7.575	1926	1939	1953	rBV2	46722	86202	12.89%	1.362%
17	7.723	1976	1985	1996	rVB6	3804	6878	1.03%	0.109%
18	7.903	2022	2041	2056	rBV	165093	285433	42.68%	4.508%
19	8.044	2076	2085	2099	rBV7	3194	7226	1.08%	0.114%
20	8.186	2118	2129	2140	rBV2	29954	51440	7.69%	0.812%
21	8.250	2140	2149	2159	rVB6	7399	12711	1.90%	0.201%
22	8.642	2257	2271	2297	rBV	250873	474249	70.91%	7.491%
23	9.420	2501	2513	2516	rBV	231317	342264	51.18%	5.406%
24	9.449	2517	2522	2535	rVV	306170	483693	72.32%	7.640%
25	9.507	2536	2540	2553	rVB6	5775	9715	1.45%	0.153%
26	9.690	2588	2597	2598	rBV4	6383	6910	1.03%	0.109%
27	10.272	2772	2778	2788	rVB7	8506	13718	2.05%	0.217%
28	10.366	2799	2807	2818	rBV7	3955	7364	1.10%	0.116%
29	10.481	2834	2843	2852	rBV2	16918	26305	3.93%	0.415%
30	10.697	2902	2910	2918	rBV9	6664	11183	1.67%	0.177%
31	10.755	2918	2928	2939	rVV	73396	117328	17.54%	1.853%
32	10.809	2939	2945	2957	rVB7	8320	14674	2.19%	0.232%
33	11.028	3001	3013	3021	rVB9	6102	11062	1.65%	0.175%
34	11.301	3089	3098	3113	rVB9	7650	16456	2.46%	0.260%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
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Acq On : 16 Sep 2020 22:41
Operator : SY/MD
Sample : L4046-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR083120WMA.M
Title : TRACE VOA SOM01.0

35	11.414	3119	3133	3141	rBV4	16255	27034	4.04%	0.427%
36	11.603	3176	3192	3197	rBV4	14718	26699	3.99%	0.422%
37	11.639	3198	3203	3216	rVB	15700	23321	3.49%	0.368%
38	11.809	3244	3256	3272	rBV2	233382	466375	69.73%	7.366%
39	11.880	3272	3278	3288	rVB6	14834	22698	3.39%	0.359%
40	12.086	3336	3342	3353	rVB3	9570	15552	2.33%	0.246%
41	12.185	3361	3373	3393	rVB	210556	390160	58.34%	6.163%
42	12.542	3469	3484	3495	rBV8	8492	22353	3.34%	0.353%
43	12.623	3496	3509	3519	rVB9	10370	21971	3.29%	0.347%
44	12.674	3519	3525	3531	rBV8	5166	6867	1.03%	0.108%
45	12.754	3543	3550	3562	rVB4	11918	19536	2.92%	0.309%
46	12.857	3562	3582	3595	rVB4	47512	92355	13.81%	1.459%
47	12.931	3595	3605	3612	rBV6	8808	16093	2.41%	0.254%
48	12.973	3613	3618	3625	rVB5	5643	7577	1.13%	0.120%
49	13.108	3651	3660	3670	rVB2	15885	24386	3.65%	0.385%
50	13.240	3688	3701	3710	rVB2	25165	44437	6.64%	0.702%
51	13.317	3716	3725	3733	rVB3	12628	18308	2.74%	0.289%
52	13.381	3736	3745	3753	rBV4	5501	9736	1.46%	0.154%
53	13.513	3779	3786	3796	rVB5	11023	17261	2.58%	0.273%
54	13.584	3796	3808	3814	rBV9	8416	15890	2.38%	0.251%
55	13.758	3854	3862	3872	rVB9	4530	8576	1.28%	0.135%
56	13.825	3876	3883	3885	rBV4	8314	9095	1.36%	0.144%
57	13.873	3890	3898	3902	rVV2	24575	40510	6.06%	0.640%
58	13.902	3903	3907	3911	rVV2	24382	32424	4.85%	0.512%
59	13.928	3912	3915	3924	rVV3	23294	32763	4.90%	0.517%
60	13.980	3925	3931	3940	rVB10	12532	21174	3.17%	0.334%
61	14.079	3947	3962	3963	rBV9	5946	10461	1.56%	0.165%
62	14.102	3964	3969	3982	rVB7	13118	24781	3.71%	0.391%
63	14.179	3983	3993	4005	rVB2	41959	68342	10.22%	1.079%
64	14.272	4005	4022	4033	rBV4	42678	82864	12.39%	1.309%
65	14.340	4033	4043	4051	rBV3	13203	25458	3.81%	0.402%
66	14.462	4073	4081	4088	rBV7	14341	22370	3.34%	0.353%
67	14.507	4088	4095	4105	rVB6	19915	30318	4.53%	0.479%
68	14.574	4105	4116	4124	rBV6	4952	12185	1.82%	0.192%
69	14.770	4166	4177	4192	rVB6	5459	16162	2.42%	0.255%
70	14.864	4193	4206	4219	rVB6	9106	18287	2.73%	0.289%
71	15.018	4243	4254	4260	rBV4	10120	17687	2.64%	0.279%

LSC Area Percent Report

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Operator : SY/MD
Sample : L4046-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR083120WMA.M
Title : TRACE VOA SOM01.0

72	15.060	4262	4267	4275	rVB9	7603	12422	1.86%	0.196%
73	15.160	4287	4298	4309	rBV8	7725	18051	2.70%	0.285%
74	15.253	4318	4327	4337	rBV7	23326	38403	5.74%	0.607%
75	15.410	4363	4376	4387	rBV5	22217	43829	6.55%	0.692%

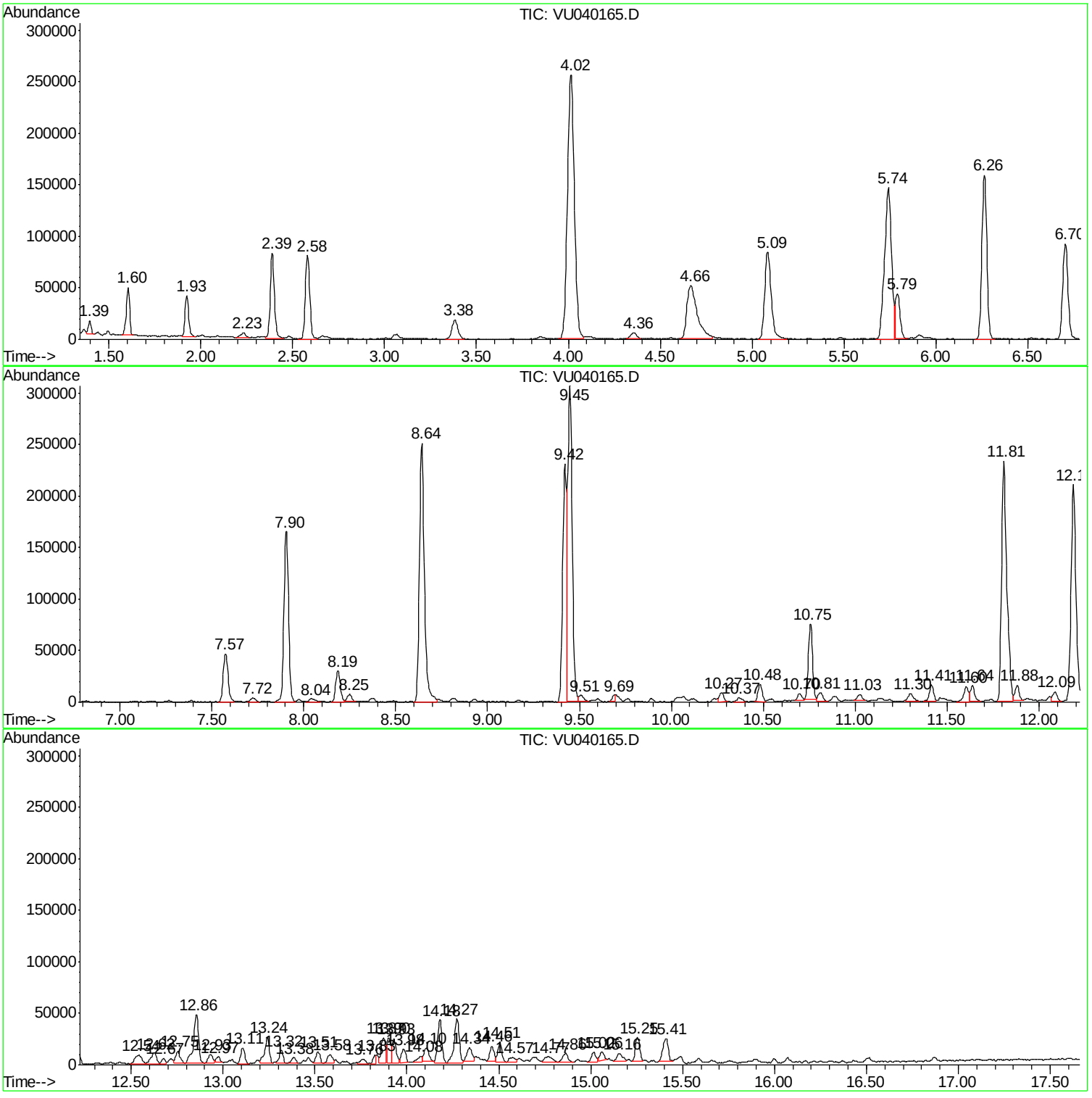
Sum of corrected areas: 6331116

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
Data File : VU040165.D
Acq On : 16 Sep 2020 22:41
Operator : SY/MD
Sample : L4046-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
Data File : VU040165.D
Acq On : 16 Sep 2020 22:41
Operator : SY/MD
Sample : L4046-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

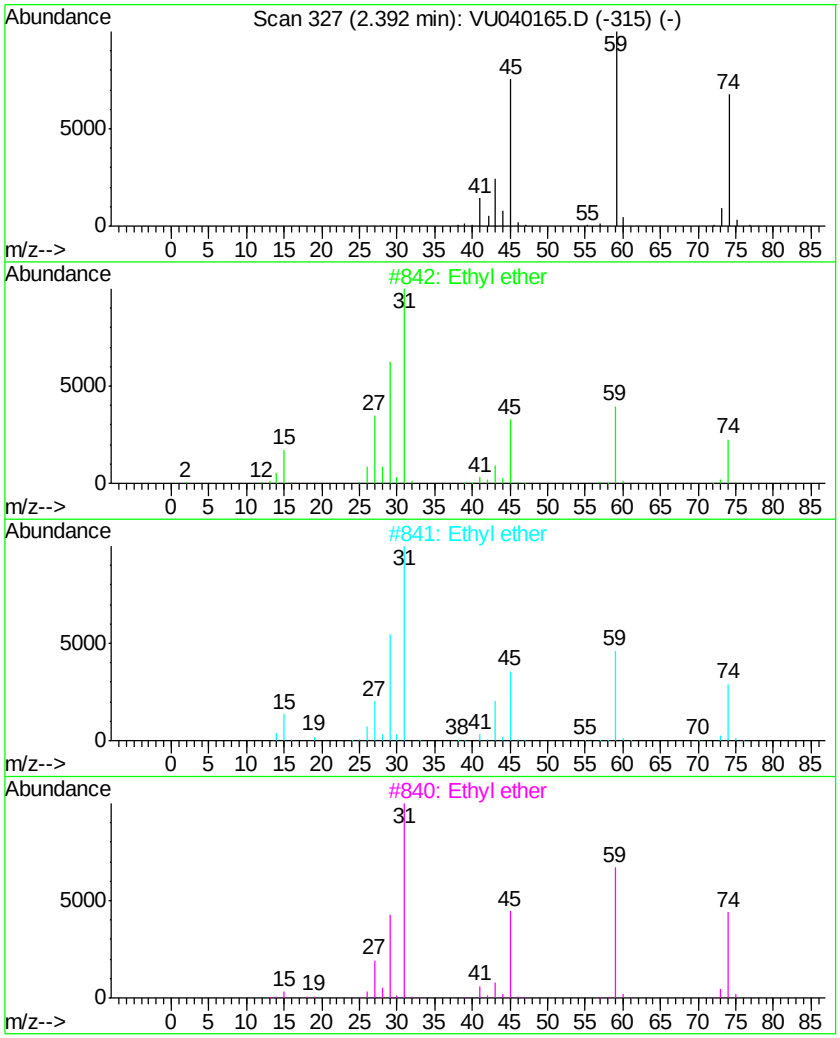
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

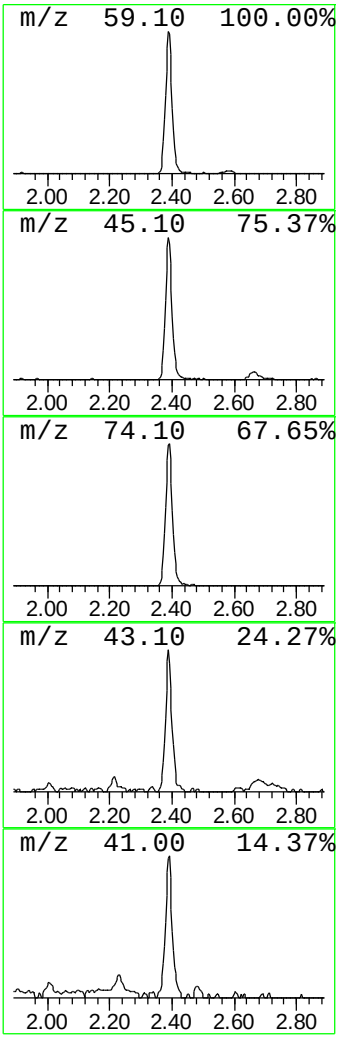
****

Peak Number 1 Ethyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	2.12 ug/L	125644	1,4-Difluorobenzene	6.26

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	90
4	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	78
5	Ethyl ether	74	C4H10O	000060-29-7	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091620\
Data File : VU040165.D
Acq On : 16 Sep 2020 22:41
Operator : SY/MD
Sample : L4046-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

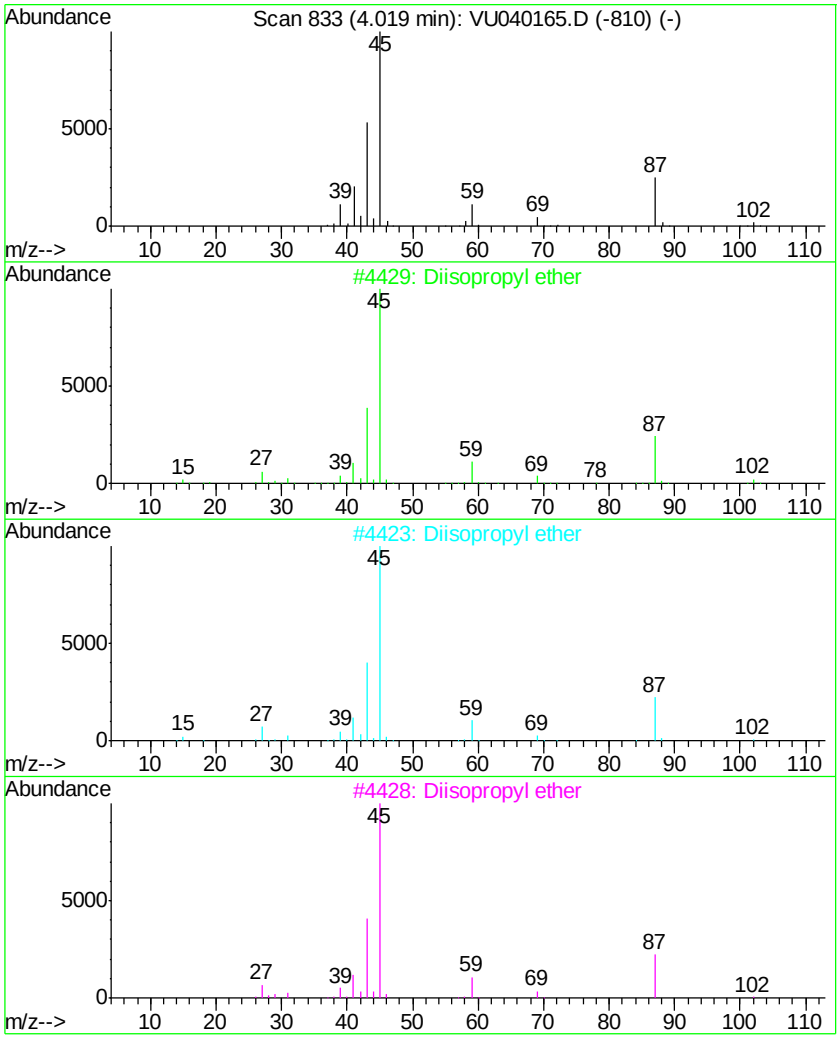
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

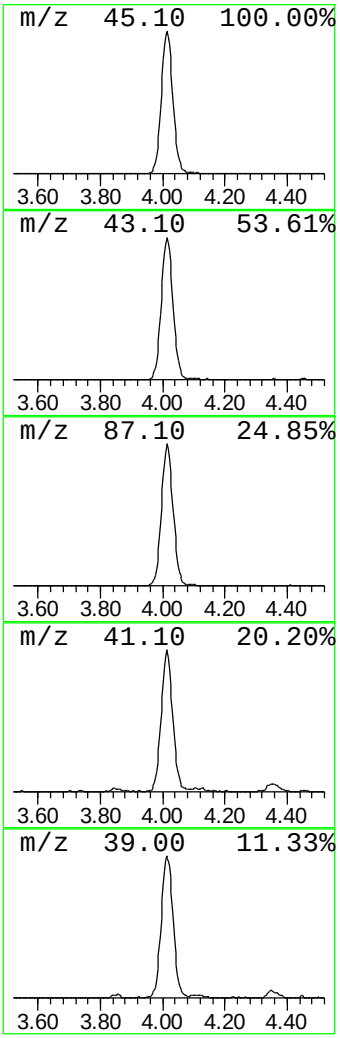
****

Peak Number 2 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	11.28 ug/L	668797	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	86
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	74
4	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	72
5	2-Propanone, 1-methoxy-	88	C4H8O2	005878-19-3	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
Data File : VU040165.D
Acq On : 16 Sep 2020 22:41
Operator : SY/MD
Sample : L4046-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

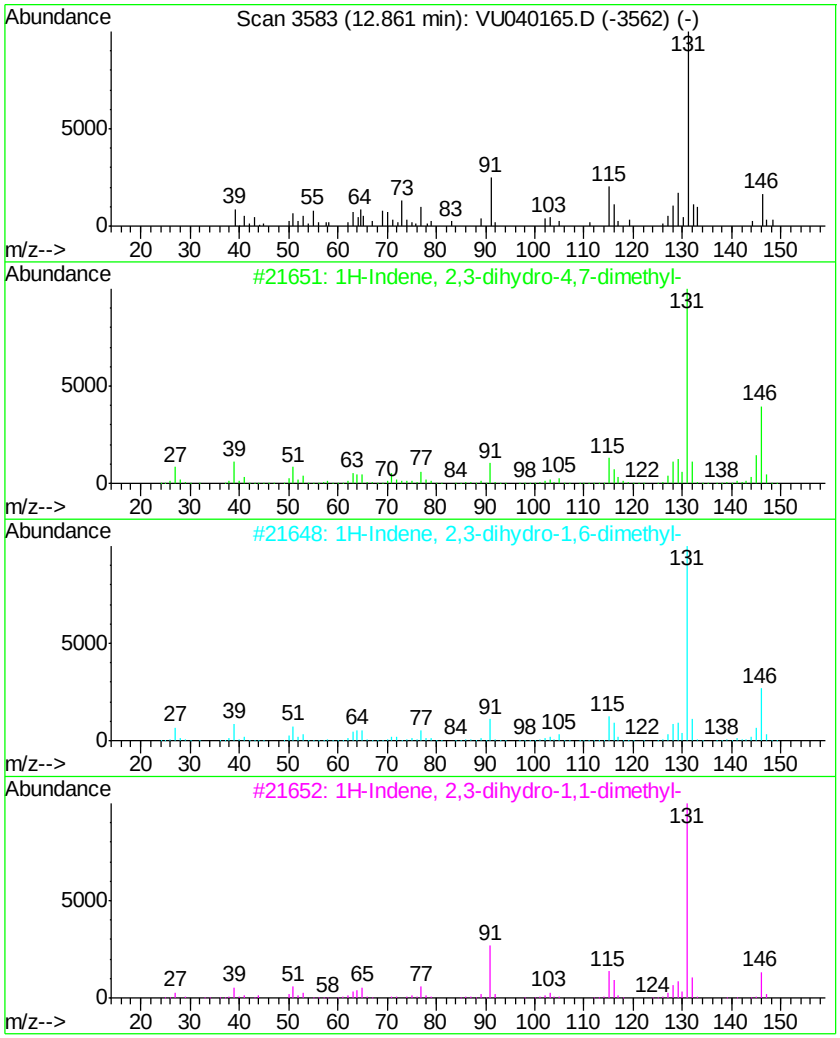
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

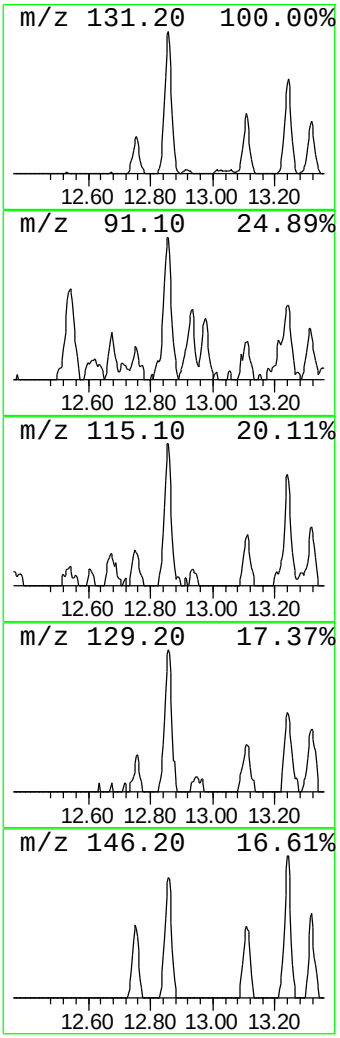
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	0.99 ug/L	92355	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
Data File : VU040165.D
Acq On : 16 Sep 2020 22:41
Operator : SY/MD
Sample : L4046-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

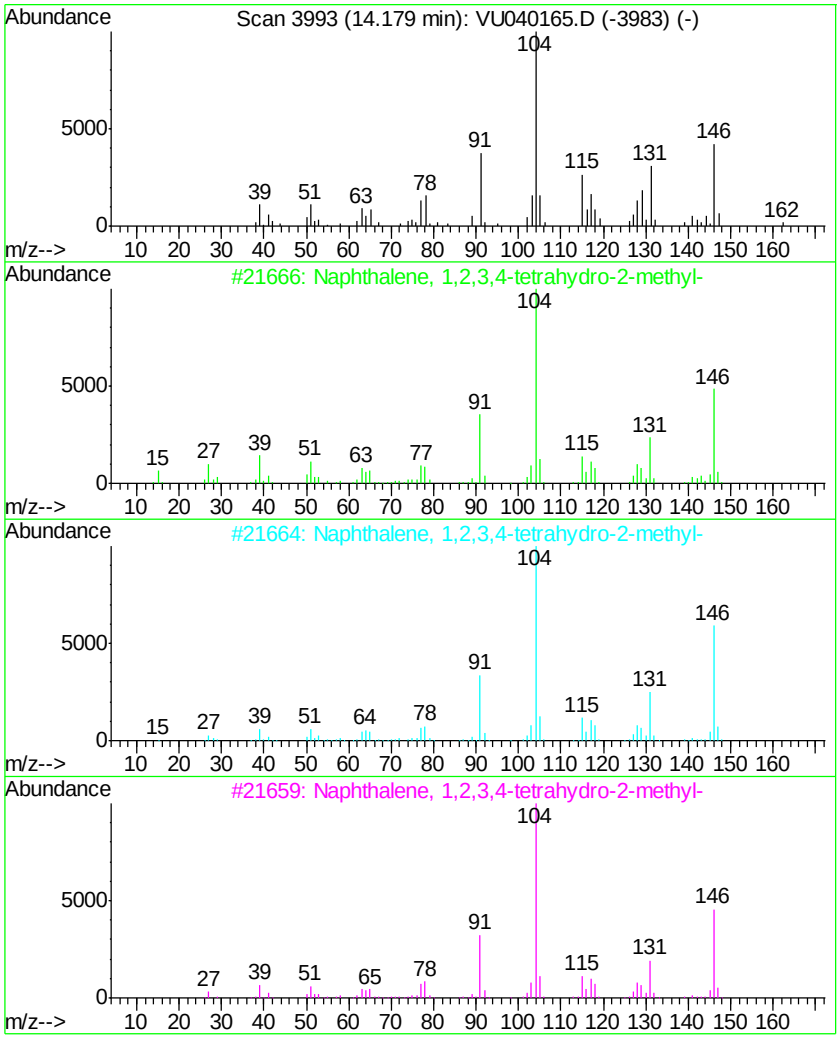
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

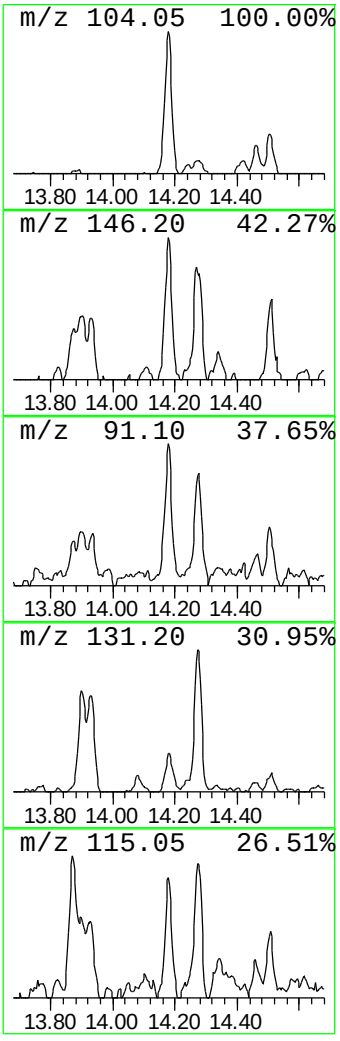
****

Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	0.73 ug/L	68342	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	80
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	72
4	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091620\
Data File : VU040165.D
Acq On : 16 Sep 2020 22:41
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Sample : L4046-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

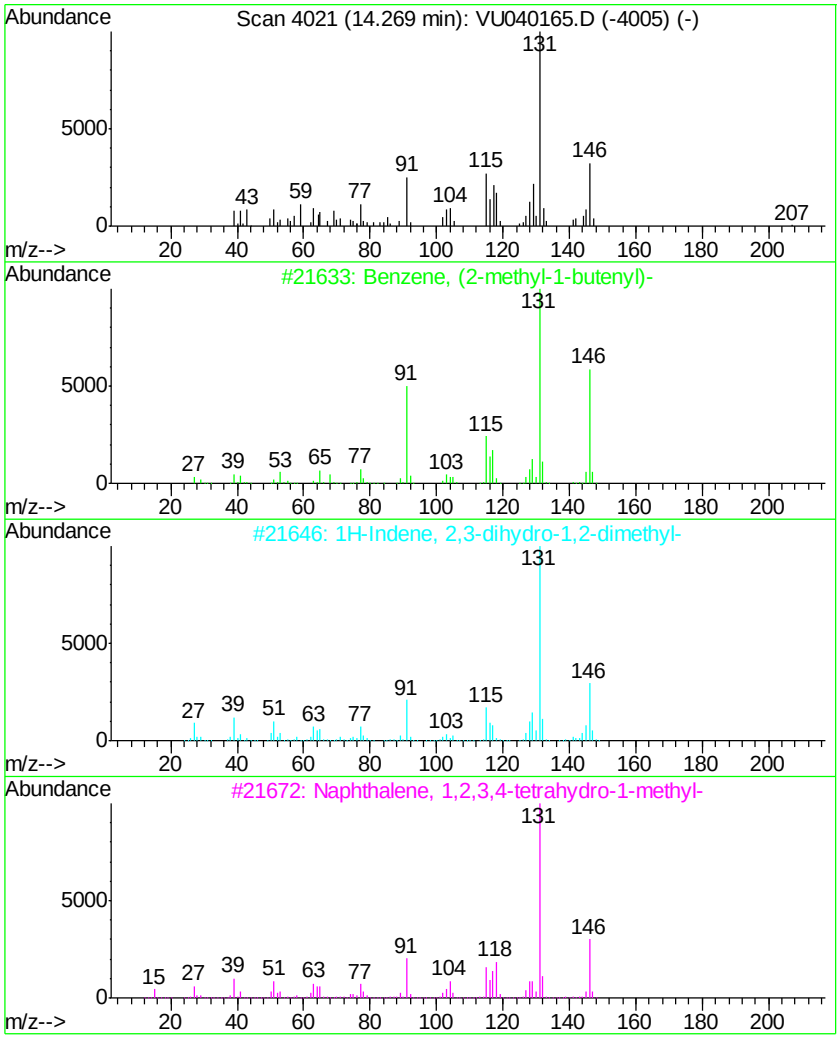
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

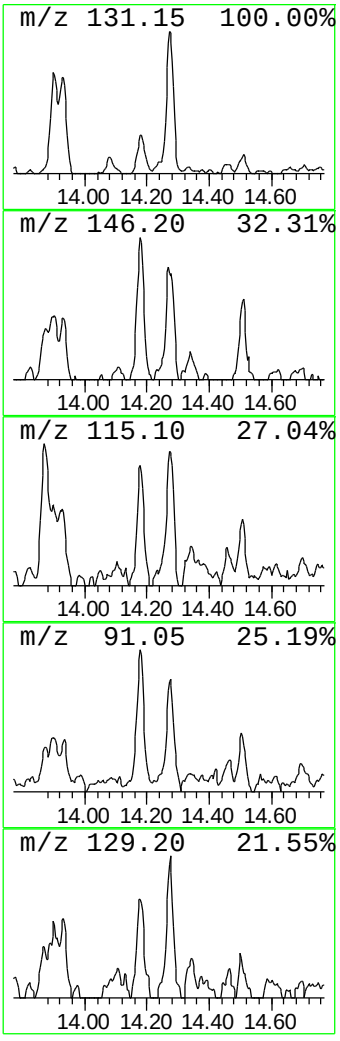
****

Peak Number 6 Benzene, (2-methyl-1-butenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	0.89 ug/L	82864	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091620\
Data File : VU040165.D
Acq On : 16 Sep 2020 22:41
Operator : SY/MD
Sample : L4046-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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	2.39	2.1	ug/L	125644	1	6.26	296473	5.0
Diisopropyl ether	4.02	11.3	ug/L	668797	1	6.26	296473	5.0
1H-Indene, 2,3-di...	12.86	1.0	ug/L	92355	3	11.81	466375	5.0
Naphthalene, 1,2,...	14.18	0.7	ug/L	68342	3	11.81	466375	5.0
Benzene, (2-methy...	14.27	0.9	ug/L	82864	3	11.81	466375	5.0