LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038322.D
Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

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\SOMUTR050720WMA.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	1.401	14	19	27	rVB	24226	25623	1.80%	0.170%
2	1.488	37	46	63	rBV2	38094	87529	6.14%	0.580%
3	1.613	76	85	94	rVB	132653	147892	10.37%	0.980%
4	1.932	176	184	197	rVB	116678	154500	10.83%	1.024%
5	2.401	319	330	348	rVB	144347	218930	15.35%	1.451%
6	2.591	376	389	403	rBV	229080	373385	26.17%	2.474%
7	3.212	560	582	600	rVB3	10712	26639	1.87%	0.177%
8	3.398	620	640	659	rVB2	45110	104787	7.35%	0.694%
9	4.035	818	838	865	rBV	407242	1070941	75.07%	7.096%
10	4.662	1016	1033	1072	rBV	246178	623776	43.73%	4.133%
11	5.102	1153	1170	1190	rBV	239725	555145	38.92%	3.678%
12	5.761	1354	1375	1386	rBV2	436562	1173396	82.26%	7.775%
13	6.279	1520	1536	1556	rBV	376086	715444	50.15%	4.740%
14	6.559	1611	1623	1633	rBV	7384	14994	1.05%	0.099%
15	6.723	1659	1674	1697	rBV	277527	546841	38.33%	3.623%
16	7.591	1929	1944	1958	rBV	145474	258096	18.09%	1.710%
17	7.922	2027	2047	2082	rBV	548616	1000839	70.16%	6.631%
18	8.202	2120	2134	2145	rBV	91507	154586	10.84%	1.024%
19	8.263	2145	2153	2168	rVB4	16444	33075	2.32%	0.219%
20	8.655	2262	2275	2309	rBV	781739	1426509	100.00%	9.452%
21	8.829	2316	2329	2342	rVB	6660	17429	1.22%	0.115%
22	9.436	2505	2518	2522	rBV	549323	869726	60.97%	5.763%
23	9.710	2589	2603	2604	rBV8	14818	22363	1.57%	0.148%
24	10.057	2694	2711	2715	rBV5	13473	28643	2.01%	0.190%
25	10.083	2715	2719	2730	rVV6	13393	24281	1.70%	0.161%
26	10.288	2776	2783	2796	rVB3	21668	36404	2.55%	0.241%
27	10.391	2804	2815	2828	rVB10	9090	21210	1.49%	0.141%
28	10.716	2905	2916	2922	rBV4	16699	30322	2.13%	0.201%
29	10.771	2923	2933	2944	rVV	227381	374898	26.28%	2.484%
30	10.825	2944	2950	2962	rVV10	20480	38339	2.69%	0.254%
31	10.899	2965	2973	2984	rVB9	7964	14407	1.01%	0.095%
32	11.041	3001	3017	3025	rVB9	10684	22072	1.55%	0.146%
33	11.320	3086	3104	3120	rVB7	18500	42924	3.01%	0.284%
34	11.433	3129	3139	3147	rBV	38829	58723	4.12%	0.389%

LSC Area Percent Report

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Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

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\SOMUTR050720WMA.M
Title : TRACE VOA SOM01.0

35	11.620	3180	3197	3203	rBV3	36238	66230	4.64%	0.439%
36	11.658	3203	3209	3220	rVB	36261	58569	4.11%	0.388%
37	11.825	3248	3261	3278	rBV2	597326	1166322	81.76%	7.728%
38	11.896	3278	3283	3292	rVB6	14929	22814	1.60%	0.151%
39	12.205	3366	3379	3398	rVB	670140	1189910	83.41%	7.884%
40	12.555	3475	3488	3500	rBV6	21413	49615	3.48%	0.329%
41	12.645	3503	3516	3525	rVV3	24959	48731	3.42%	0.323%
42	12.697	3525	3532	3539	rVV5	11287	16568	1.16%	0.110%
43	12.742	3540	3546	3550	rVV2	13251	17497	1.23%	0.116%
44	12.777	3550	3557	3570	rVV3	28087	52702	3.69%	0.349%
45	12.841	3571	3577	3580	rVV3	19817	24630	1.73%	0.163%
46	12.880	3581	3589	3602	rVB2	103535	175693	12.32%	1.164%
47	12.957	3604	3613	3621	rBV5	23621	41396	2.90%	0.274%
48	13.002	3622	3627	3636	rVB3	13445	18660	1.31%	0.124%
49	13.070	3643	3648	3659	rVB9	11033	18666	1.31%	0.124%
50	13.137	3659	3669	3681	rVB2	38979	61650	4.32%	0.408%
51	13.272	3685	3711	3721	rBV2	65949	133413	9.35%	0.884%
52	13.349	3727	3735	3745	rVB2	33740	51199	3.59%	0.339%
53	13.417	3746	3756	3766	rVB4	15125	27692	1.94%	0.183%
54	13.549	3788	3797	3808	rVB2	32931	52659	3.69%	0.349%
55	13.616	3808	3818	3835	rBV6	25139	51499	3.61%	0.341%
56	13.796	3868	3874	3884	rVB7	14469	24492	1.72%	0.162%
57	13.861	3886	3894	3901	rBV4	17172	28861	2.02%	0.191%
58	13.912	3901	3910	3915	rBV3	59685	100791	7.07%	0.668%
59	13.967	3924	3927	3939	rVB2	52896	72379	5.07%	0.480%
60	14.028	3939	3946	3955	rVB5	12502	19186	1.34%	0.127%
61	14.095	3956	3967	3975	rBV7	11241	26915	1.89%	0.178%
62	14.147	3978	3983	3996	rVB3	13380	26415	1.85%	0.175%
63	14.221	3996	4006	4019	rVB2	111012	182747	12.81%	1.211%
64	14.317	4019	4036	4046	rBV	105194	183714	12.88%	1.217%
65	14.385	4047	4057	4065	rBV3	25840	50074	3.51%	0.332%
66	14.507	4087	4095	4102	rBV3	25327	37014	2.59%	0.245%
67	14.552	4102	4109	4120	rVB3	47458	72347	5.07%	0.479%
68	14.626	4123	4132	4138	rBV8	13357	24249	1.70%	0.161%
69	14.816	4182	4191	4194	rBV10	13442	21096	1.48%	0.140%
70	14.915	4212	4222	4233	rVB6	24636	46604	3.27%	0.309%
71	14.980	4236	4242	4256	rVB3	12919	23188	1.63%	0.154%

LSC Area Percent Report

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Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

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\SOMUTR050720WMA.M
Title : TRACE VOA SOM01.0

72	15.070	4256	4270	4287	rBV3	28339	69436	4.87%	0.460%
73	15.208	4303	4313	4320	rBV	31303	55297	3.88%	0.366%
74	15.311	4335	4345	4364	rVB5	60608	111049	7.78%	0.736%
75	15.468	4377	4394	4404	rBV2	58464	121946	8.55%	0.808%
76	15.545	4404	4418	4434	rVB9	19538	54686	3.83%	0.362%
77	15.648	4435	4450	4460	rBV8	12900	31249	2.19%	0.207%
78	16.066	4572	4580	4590	rVB7	16281	27040	1.90%	0.179%
79	16.584	4732	4741	4748	rBV4	11383	21033	1.47%	0.139%

Sum of corrected areas: 15092591

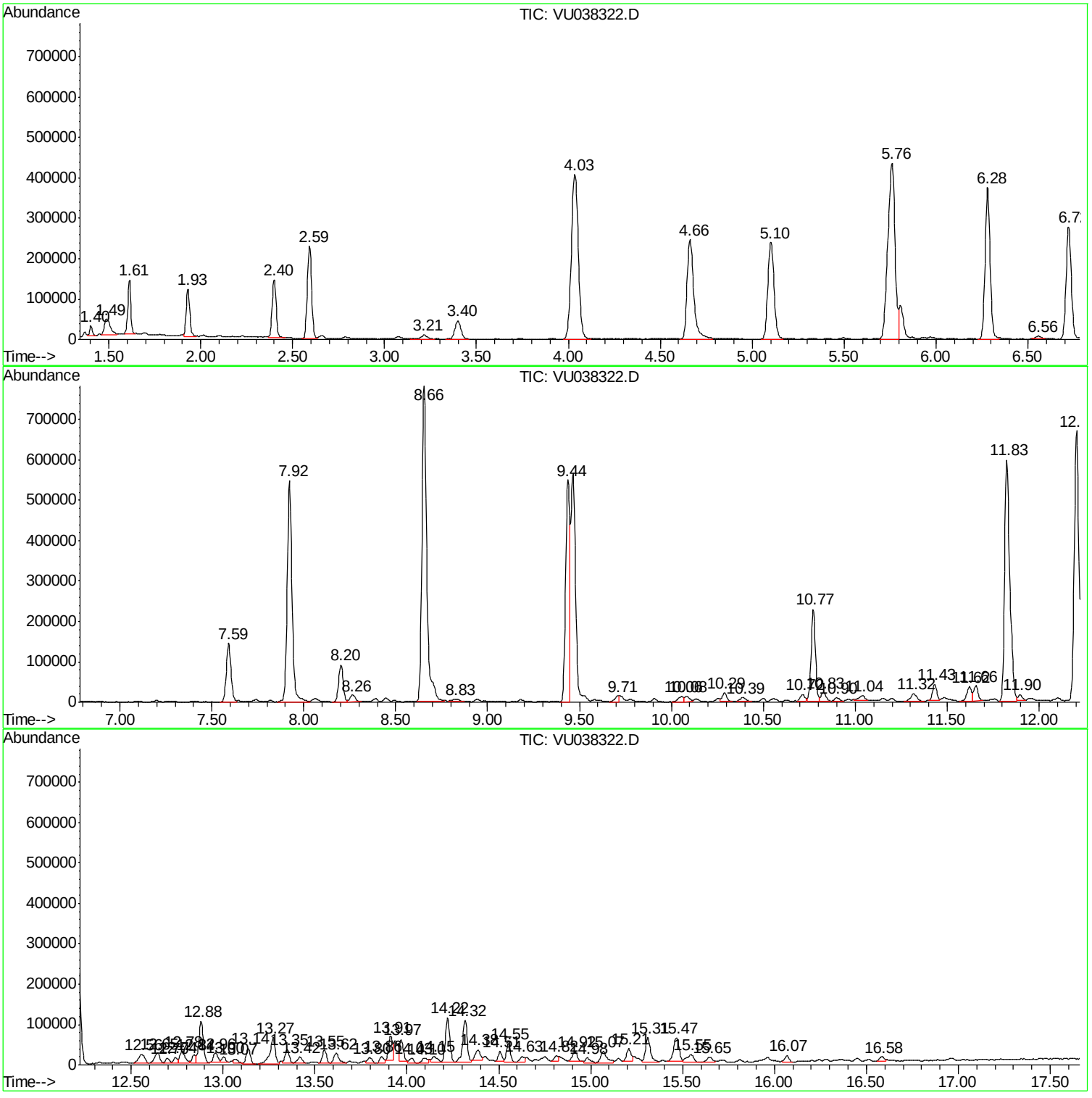
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038322.D
Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.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\VU052720\
Data File : VU038322.D
Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

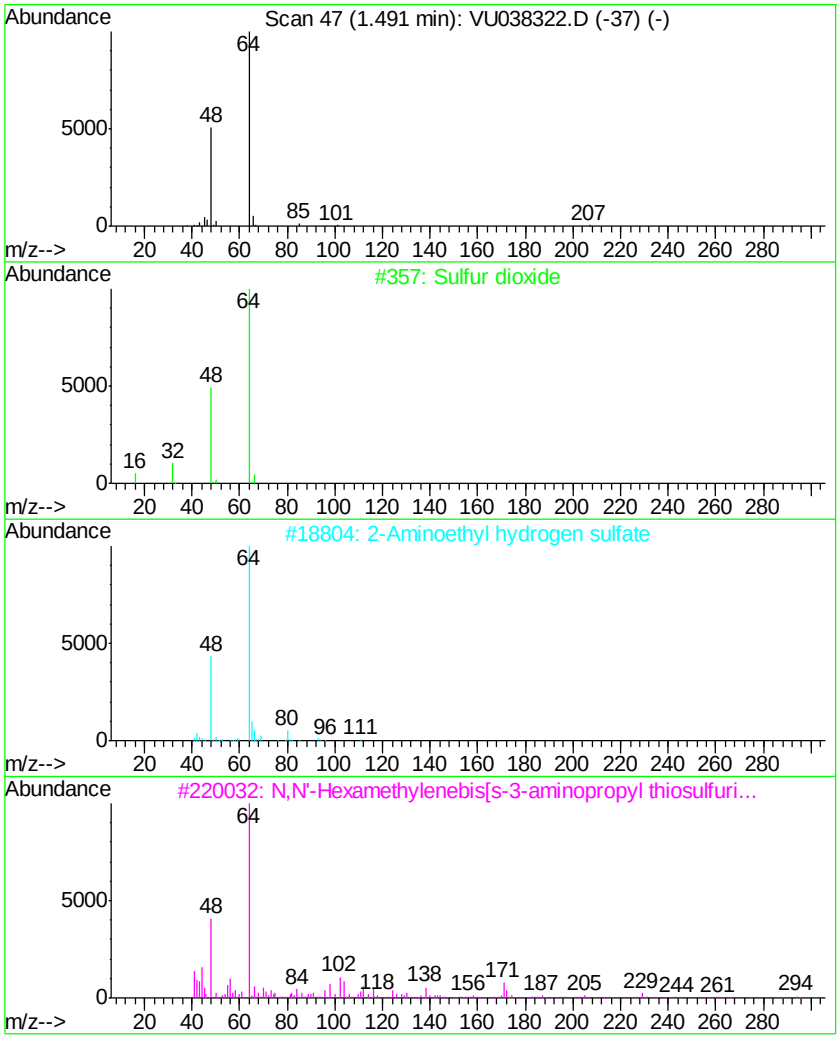
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

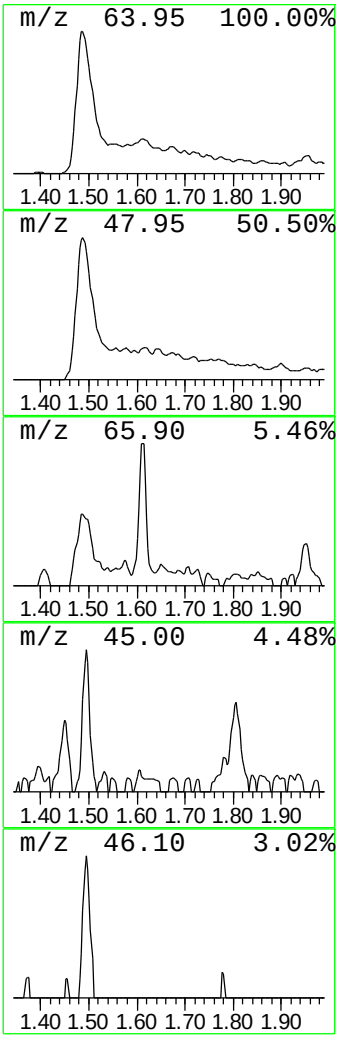
****

Peak Number 1 Sulfur dioxide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.49	0.61 ug/L	87529	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	74
3	N,N'-Hexamethylenebis[s-3-aminop...	424	C12H28N2O6S4	035871-55-7	74
4	2,4,6-Triamino-5-pyrimidinyl hyd...	221	C4H7N5O4S	071552-23-3	64
5	2-Benzimidazolyl methane thiosul...	244	C8H8N2O3S2	1000256-39-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038322.D
Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

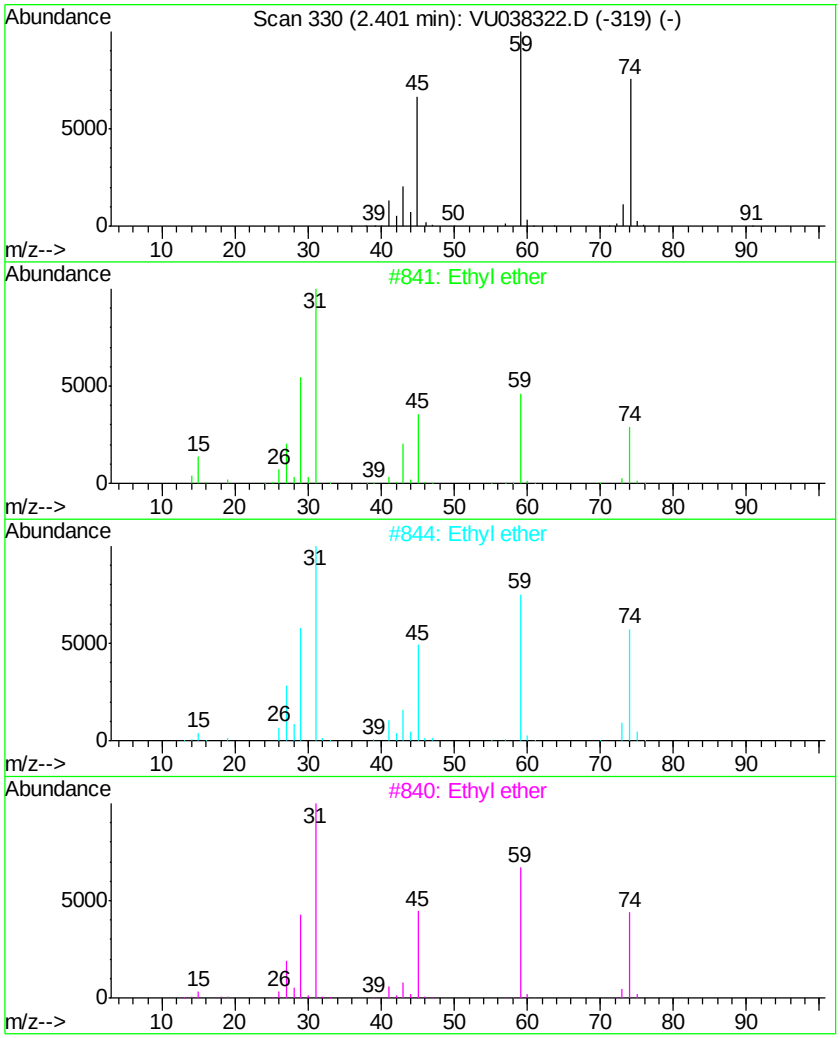
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

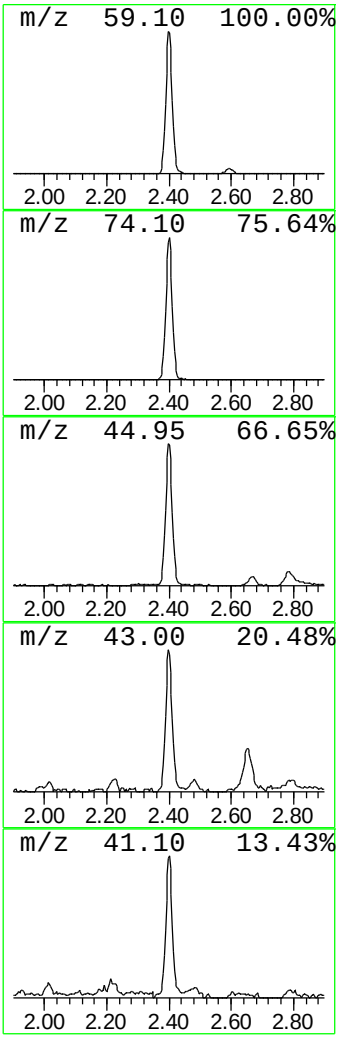
****

Peak Number 2 Ethyl ether Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.40	1.53 ug/L	218930	1,4-Difluorobenzene	6.28

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	Ethyl ether	74	C4H10O	000060-29-7	59
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038322.D
Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

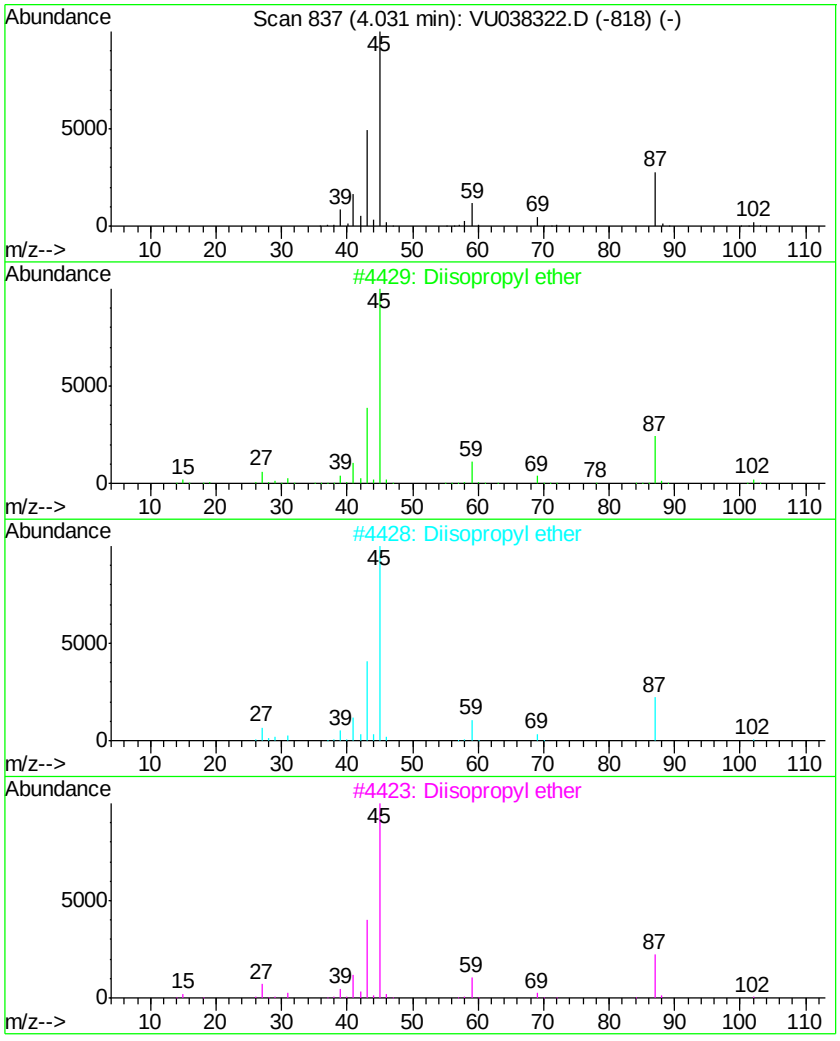
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

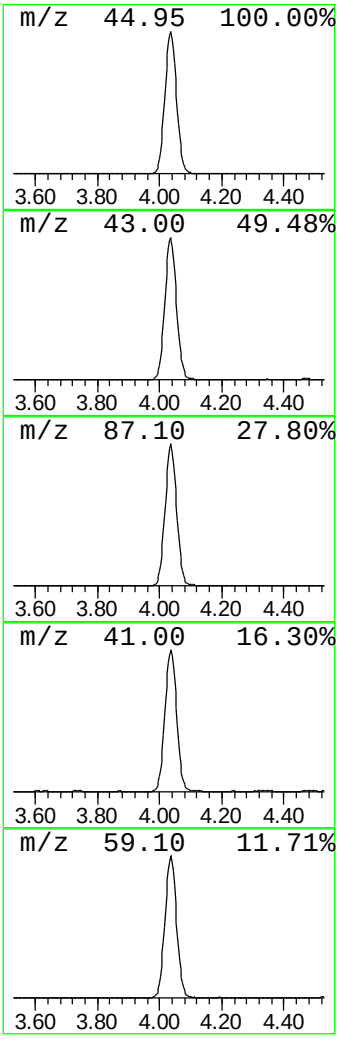
****

Peak Number 3 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	7.48 ug/L	1070940	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	91
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	78
5	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
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Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

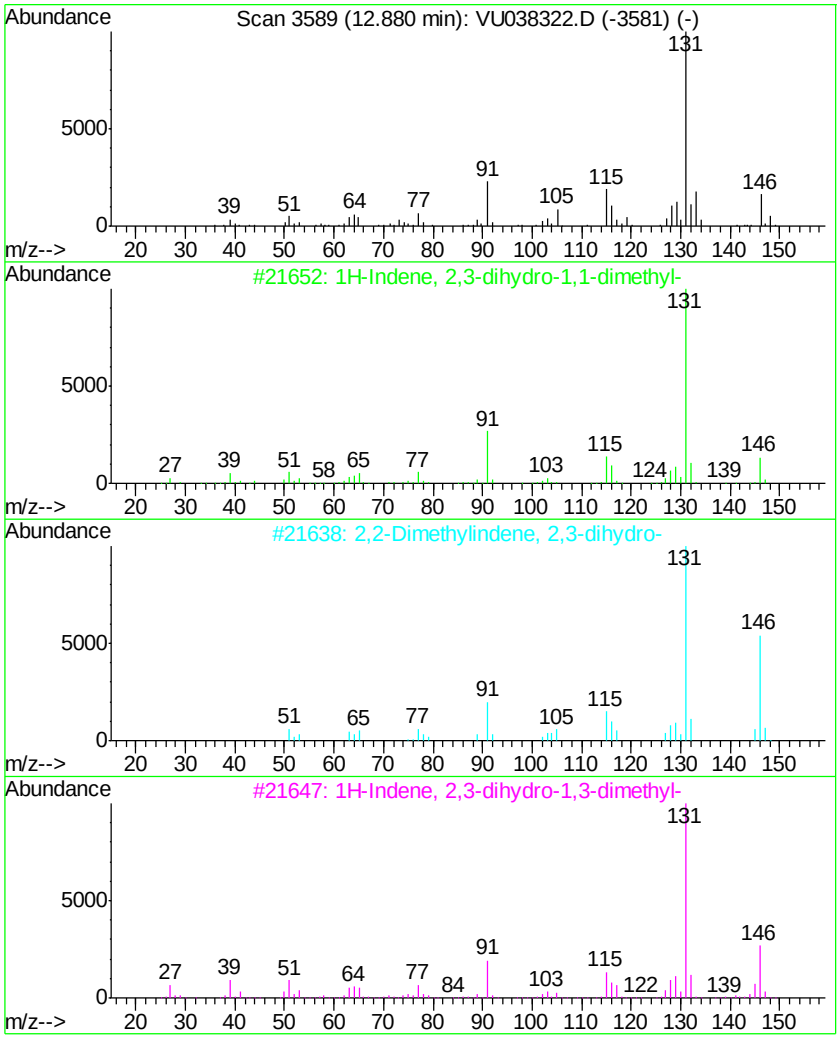
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

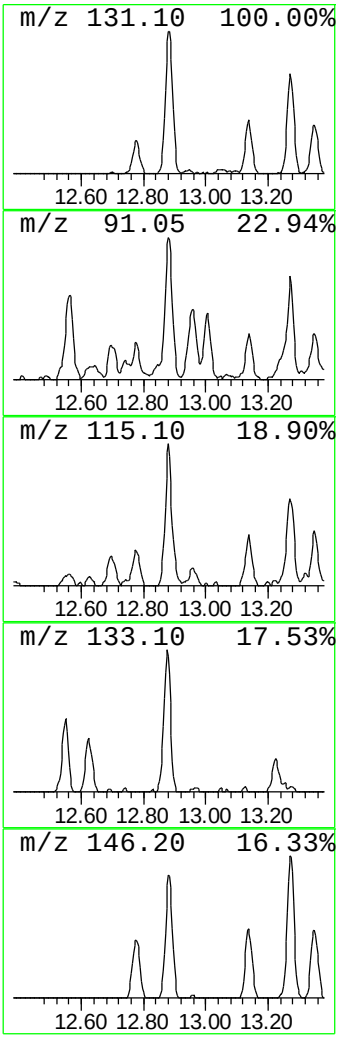
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	0.75 ug/L	175693	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	93
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052720\
Data File : VU038322.D
Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

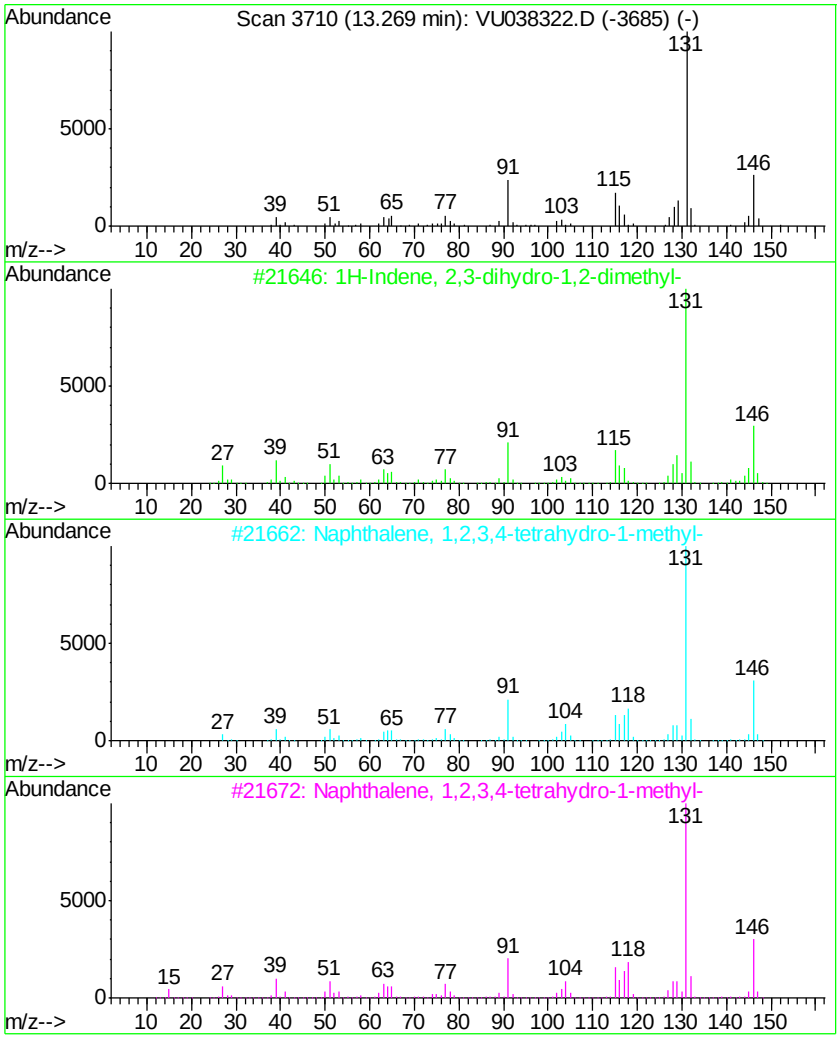
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

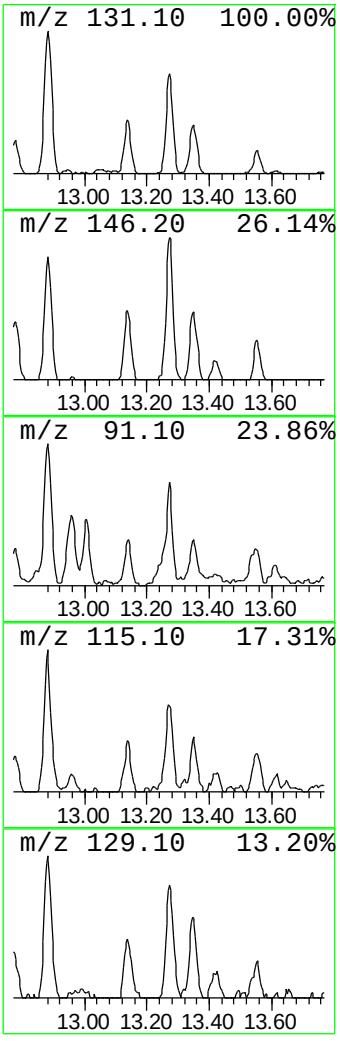
****

Peak Number 6 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	0.57 ug/L	133413	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	94
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	94
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	94
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038322.D
Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

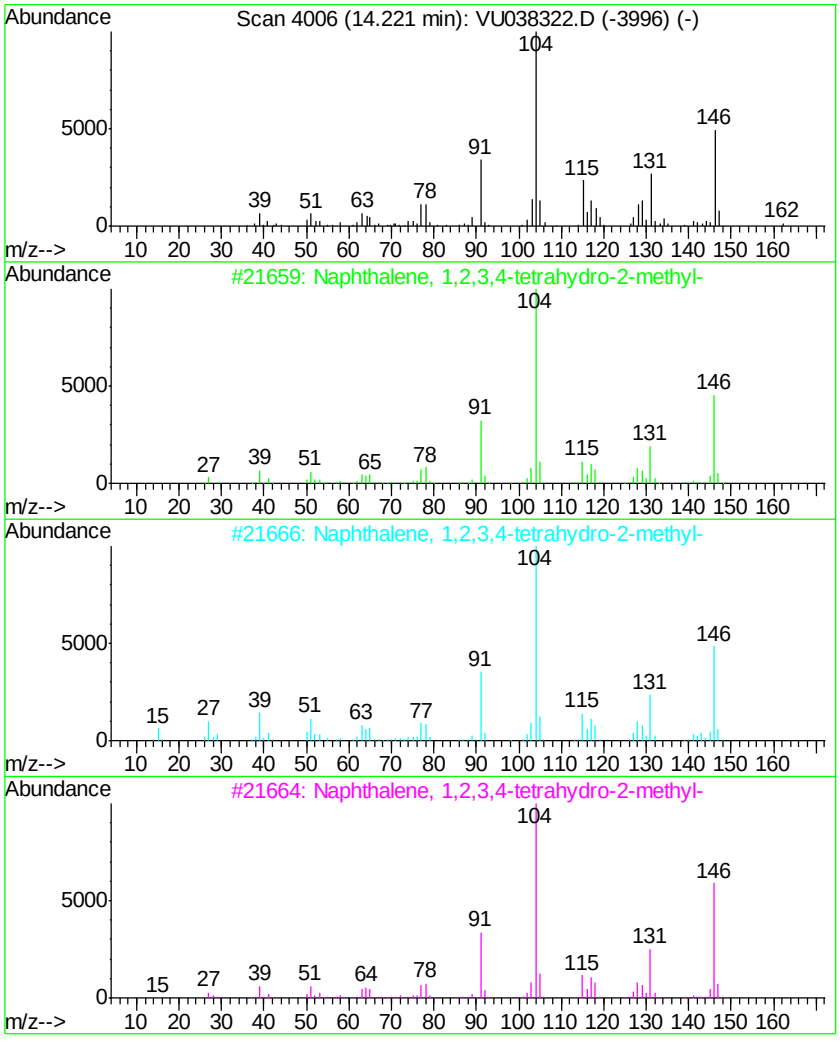
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

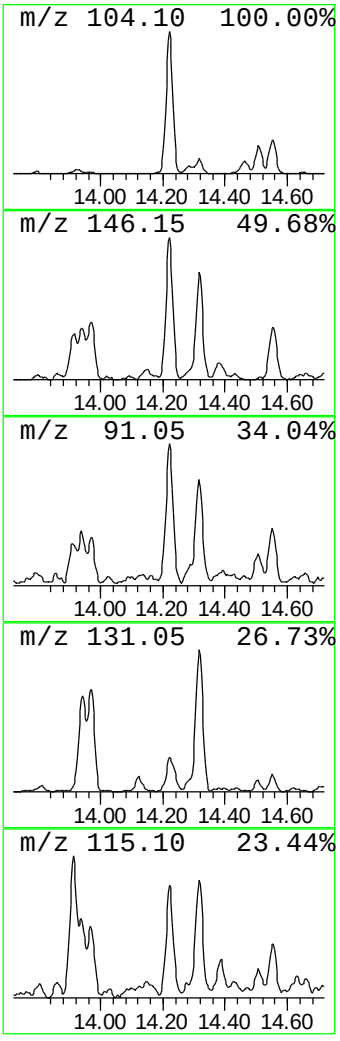
****

Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	0.78 ug/L	182747	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	74
5	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038322.D
Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

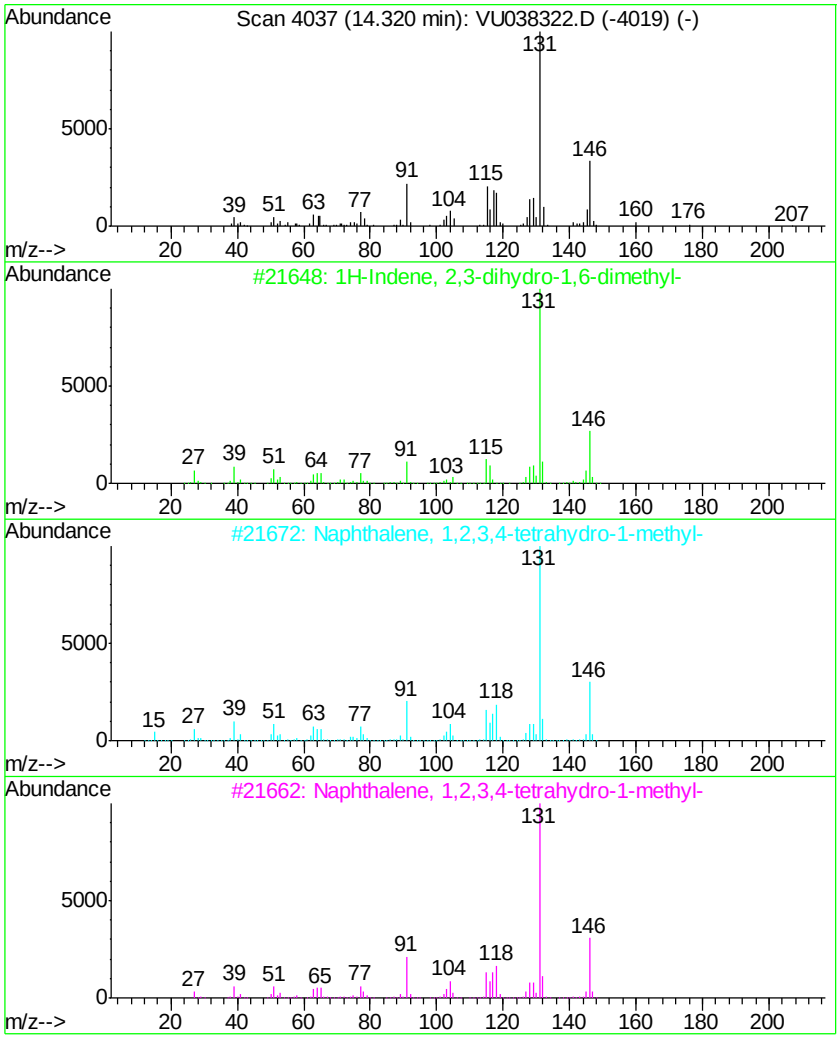
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

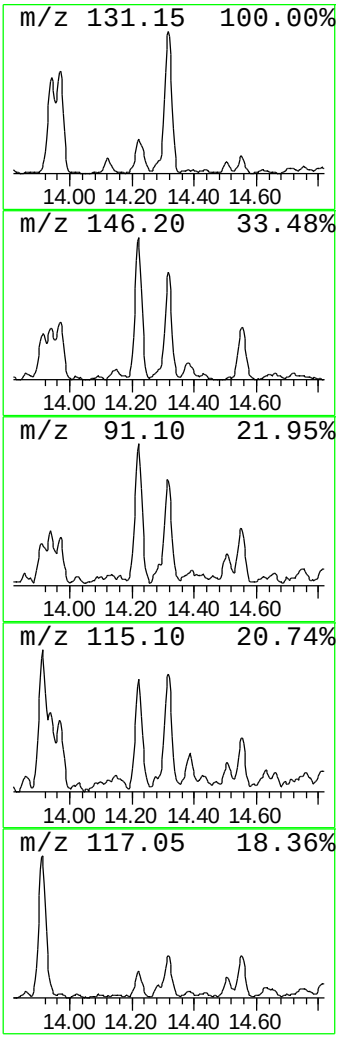
****

Peak Number 8 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	0.79 ug/L	183714	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038322.D
Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

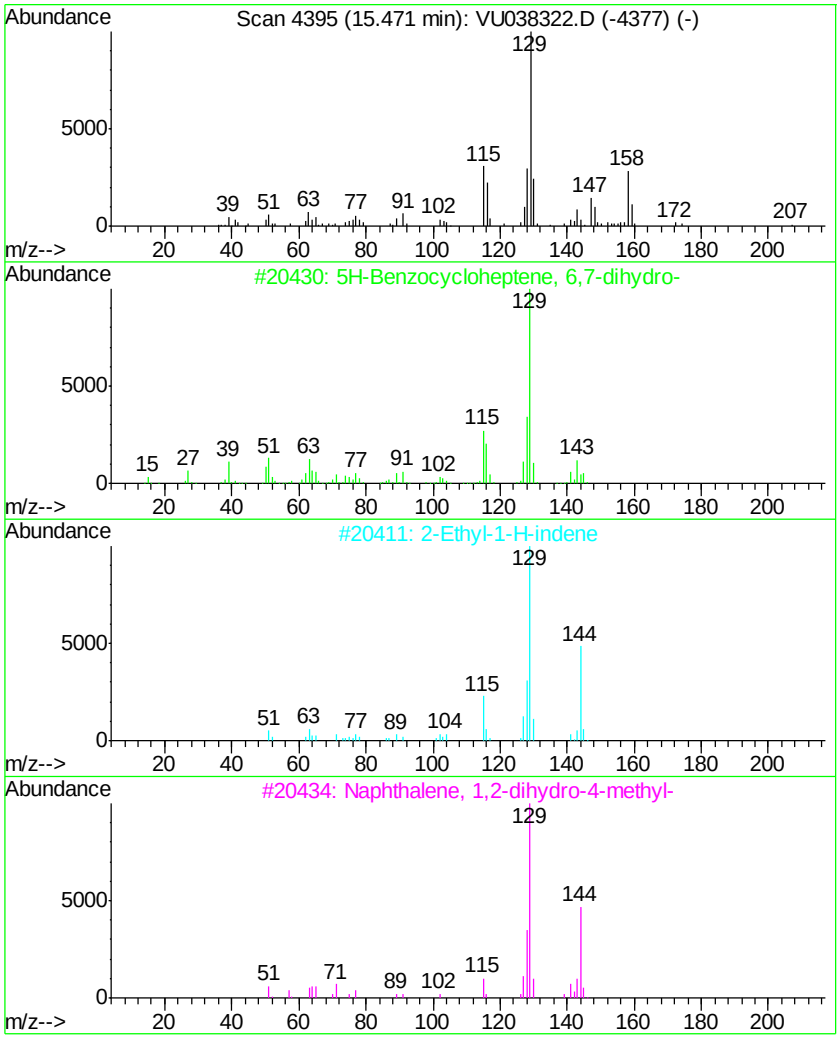
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

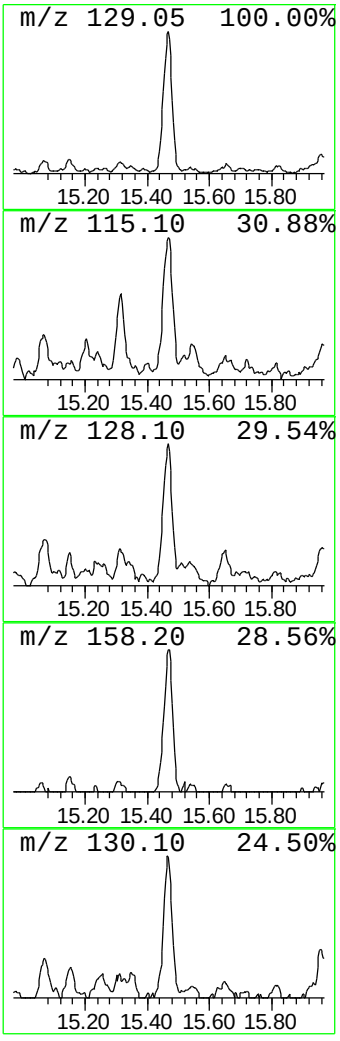
****

Peak Number 9 5H-Benzocycloheptene, 6,7-d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	0.52 ug/L	121946	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Benzocycloheptene, 6,7-dihydro-	144	C11H12	007125-62-4	70
2	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	52
3	Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	47
4	1-Naphthalenemethanol, .alpha.-m...	172	C12H12O	057605-95-5	43
5	1-Naphthalenemethanol	158	C11H10O	004780-79-4	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052720\
Data File : VU038322.D
Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.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
Sulfur dioxide	1.49	0.6	ug/L	87529	1	6.28	715444	5.0
Ethyl ether	2.40	1.5	ug/L	218930	1	6.28	715444	5.0
Diisopropyl ether	4.03	7.5	ug/L	1070940	1	6.28	715444	5.0
1H-Indene, 2,3-di...	12.88	0.8	ug/L	175693	3	11.83	1166320	5.0
1H-Indene, 2,3-di...	13.27	0.6	ug/L	133413	3	11.83	1166320	5.0
Naphthalene, 1,2,...	14.22	0.8	ug/L	182747	3	11.83	1166320	5.0
1H-Indene, 2,3-di...	14.32	0.8	ug/L	183714	3	11.83	1166320	5.0
5H-Benzocyclohept...	15.47	0.5	ug/L	121946	3	11.83	1166320	5.0