LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082019\
Data File : VU033852.D
Acq On : 20 Aug 2019 14:31
Operator : JC/SP
Sample : K4373-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0AB0

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\SOMUTR082019WMA.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	1.280	51	59	69	rBV	56492	120397	15.39%	1.325%
2	1.392	88	94	100	rBV	121831	125175	16.00%	1.377%
3	1.672	174	181	194	rBV	101045	119797	15.31%	1.318%
4	2.260	354	364	374	rBV	210270	314197	40.16%	3.457%
5	2.431	408	417	422	rBV	44283	72552	9.27%	0.798%
6	4.167	942	957	992	rBV	95814	271659	34.72%	2.989%
7	4.624	1081	1099	1125	rBV	124752	295119	37.72%	3.247%
8	5.315	1291	1314	1326	rBV2	251103	693974	88.70%	7.635%
9	5.865	1470	1485	1507	rBV	236016	472787	60.43%	5.202%
10	6.309	1609	1623	1641	rBV	160709	325821	41.64%	3.585%
11	7.209	1889	1903	1927	rBV	74325	140740	17.99%	1.548%
12	7.546	1993	2008	2025	rBV	305858	542529	69.34%	5.969%
13	7.617	2026	2030	2045	rVB3	7349	14400	1.84%	0.158%
14	7.833	2087	2097	2119	rBV	44099	82555	10.55%	0.908%
15	8.299	2231	2242	2276	rBV	311599	607322	77.62%	6.682%
16	9.070	2467	2482	2508	rBV	352254	605658	77.41%	6.664%
17	9.234	2524	2533	2550	rVB2	17030	28912	3.70%	0.318%
18	9.360	2562	2572	2585	rBV2	12338	20541	2.63%	0.226%
19	9.762	2687	2697	2709	rBV2	10345	18718	2.39%	0.206%
20	10.151	2809	2818	2828	rVB2	8171	12513	1.60%	0.138%
21	10.414	2889	2900	2917	rBV	132014	214255	27.38%	2.357%
22	10.955	3059	3068	3081	rVB3	6273	9686	1.24%	0.107%
23	11.131	3117	3123	3136	rVB2	7167	10366	1.32%	0.114%
24	11.466	3215	3227	3246	rBV	365563	596108	76.19%	6.559%
25	11.749	3301	3315	3333	rBV	329468	539317	68.93%	5.934%
26	11.842	3333	3344	3369	rVV	354728	590104	75.42%	6.493%
27	11.964	3373	3382	3394	rVB3	11446	20252	2.59%	0.223%
28	12.340	3486	3499	3511	rBV	27909	47500	6.07%	0.523%
29	12.578	3564	3573	3584	rBV2	25634	43773	5.59%	0.482%
30	12.636	3584	3591	3597	rVB	7156	9629	1.23%	0.106%
31	12.691	3597	3608	3617	rBV7	12296	27180	3.47%	0.299%
32	12.771	3626	3633	3645	rVB4	8153	14578	1.86%	0.160%
33	13.109	3728	3738	3752	rBV6	9589	15602	1.99%	0.172%
34	13.279	3782	3791	3800	rBV9	7182	12300	1.57%	0.135%

LSC Area Percent Report

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ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0AB0

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\SOMUTR082019WMA.M
Title : TRACE VOA SOM01.0

35	13.495	3850	3858	3863	rBV9	6021	8627	1.10%	0.095%
36	13.540	3863	3872	3878	rBV2	13512	22800	2.91%	0.251%
37	13.729	3917	3931	3954	rBV	244171	474911	60.70%	5.225%
38	13.848	3962	3968	3977	rVB	16014	25781	3.30%	0.284%
39	13.900	3977	3984	3991	rBV	5697	9960	1.27%	0.110%
40	14.524	4171	4178	4190	rVB10	4167	8525	1.09%	0.094%
41	14.807	4255	4266	4276	rBV3	13513	26538	3.39%	0.292%
42	14.868	4278	4285	4297	rVV4	7297	13704	1.75%	0.151%
43	15.051	4331	4342	4359	rBV	76459	141751	18.12%	1.560%
44	15.604	4504	4514	4526	rBV5	9315	16977	2.17%	0.187%
45	15.823	4578	4582	4589	rVB6	5797	8016	1.02%	0.088%
46	15.903	4597	4607	4623	rBV3	18020	39641	5.07%	0.436%
47	16.048	4642	4652	4661	rBV2	44300	78658	10.05%	0.865%
48	16.250	4707	4715	4716	rBV5	12350	14330	1.83%	0.158%
49	16.279	4719	4724	4734	rVB2	22354	33356	4.26%	0.367%
50	16.417	4760	4767	4778	rVB4	17657	28862	3.69%	0.318%
51	16.511	4789	4796	4811	rVB2	13280	24950	3.19%	0.275%
52	16.726	4851	4863	4885	rBV	471357	782420	100.00%	8.608%
53	16.903	4911	4918	4930	rBV4	21158	35071	4.48%	0.386%
54	17.028	4945	4957	4978	rBV	134321	258047	32.98%	2.839%

Sum of corrected areas: 9088941

LSC Report - Integrated Chromatogram

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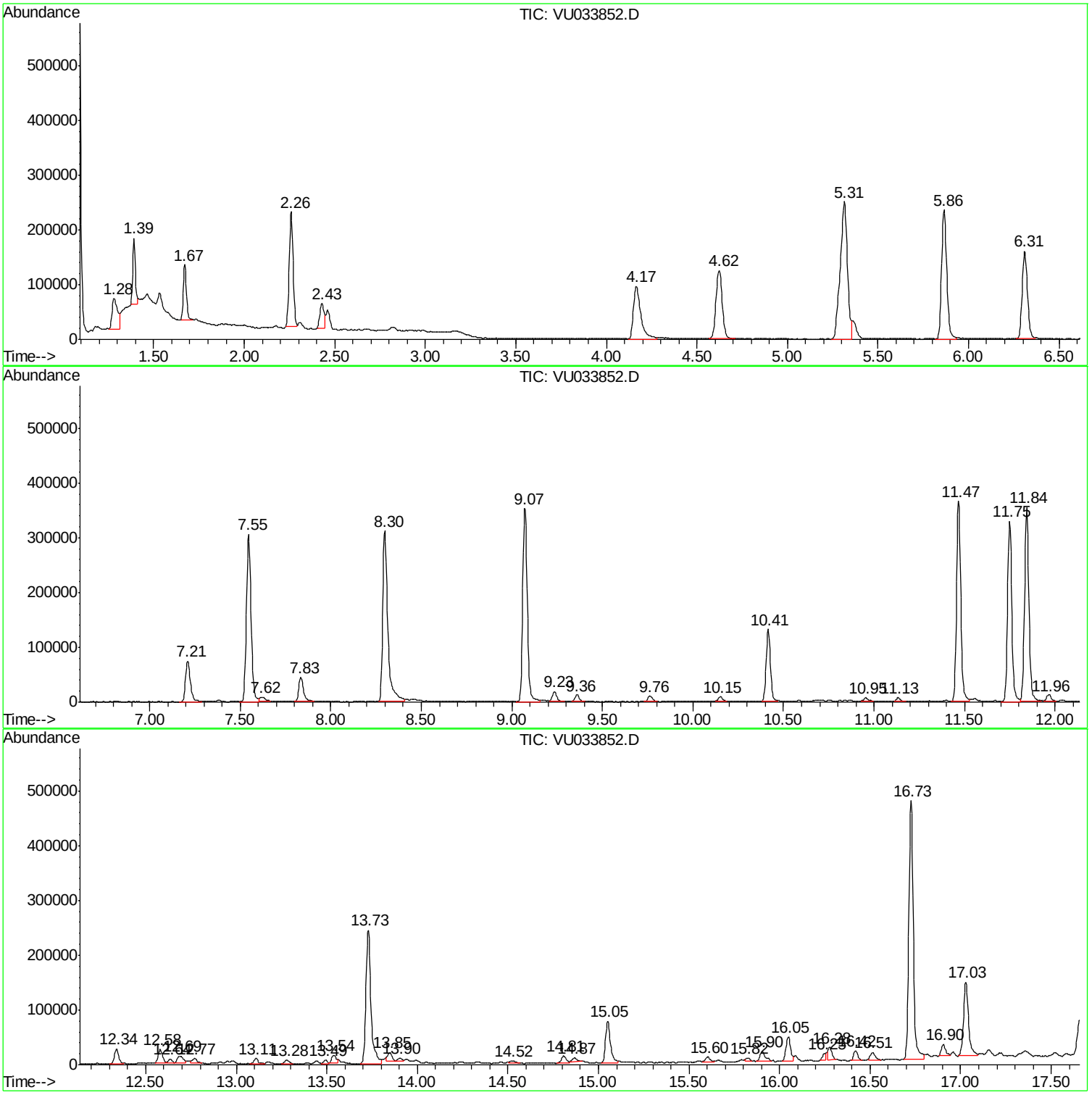
Sample : K4373-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0AB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082019\
Data File : VU033852.D
Acq On : 20 Aug 2019 14:31
Operator : JC/SP
Sample : K4373-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0AB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0

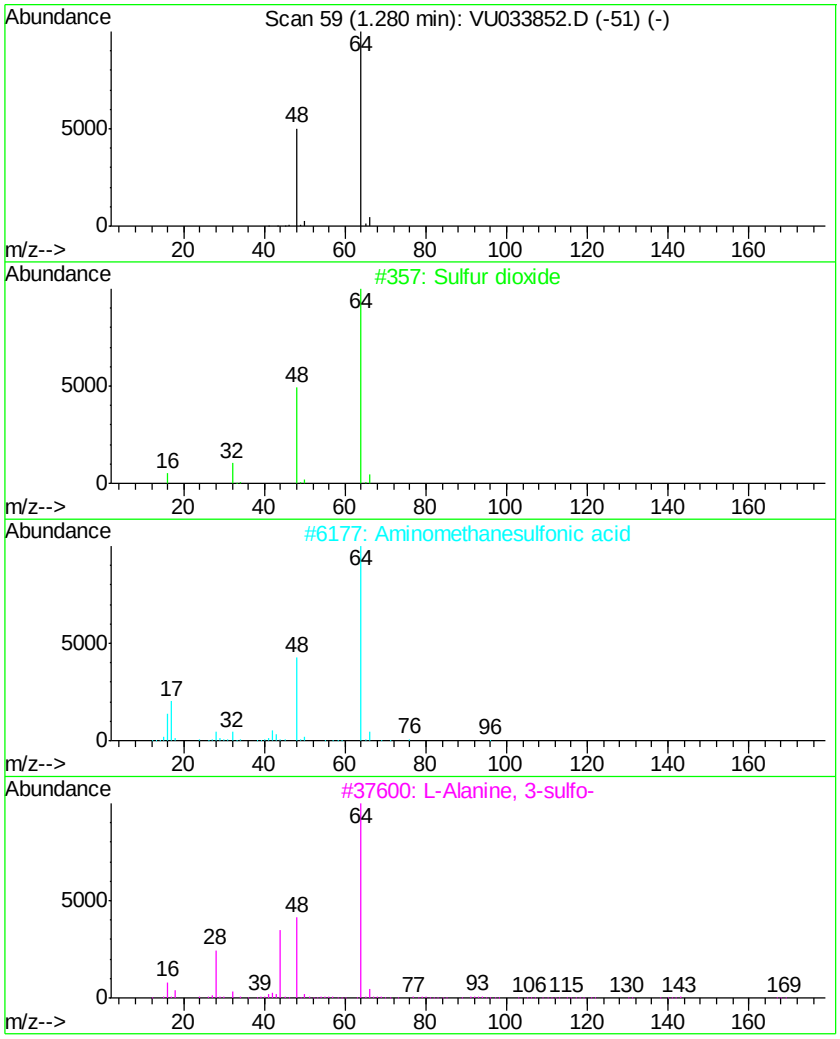
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

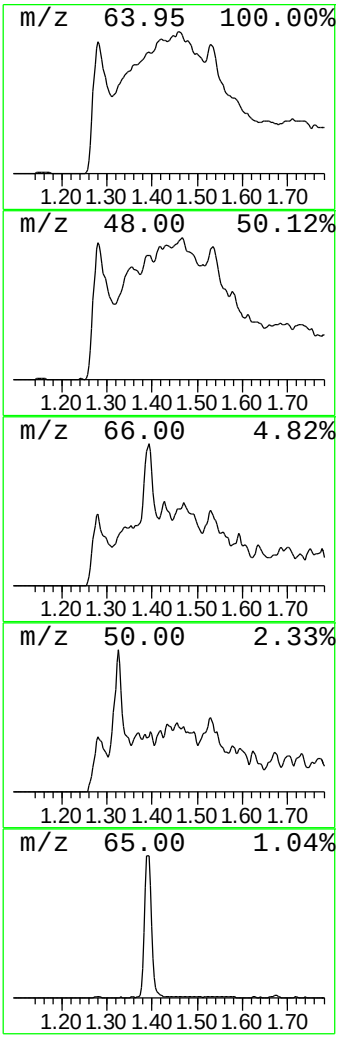
****

Peak Number 1 Sulfur dioxide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.28	1.27 ug/L	120397	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082019\
Data File : VU033852.D
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Sample : K4373-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0AB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0

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

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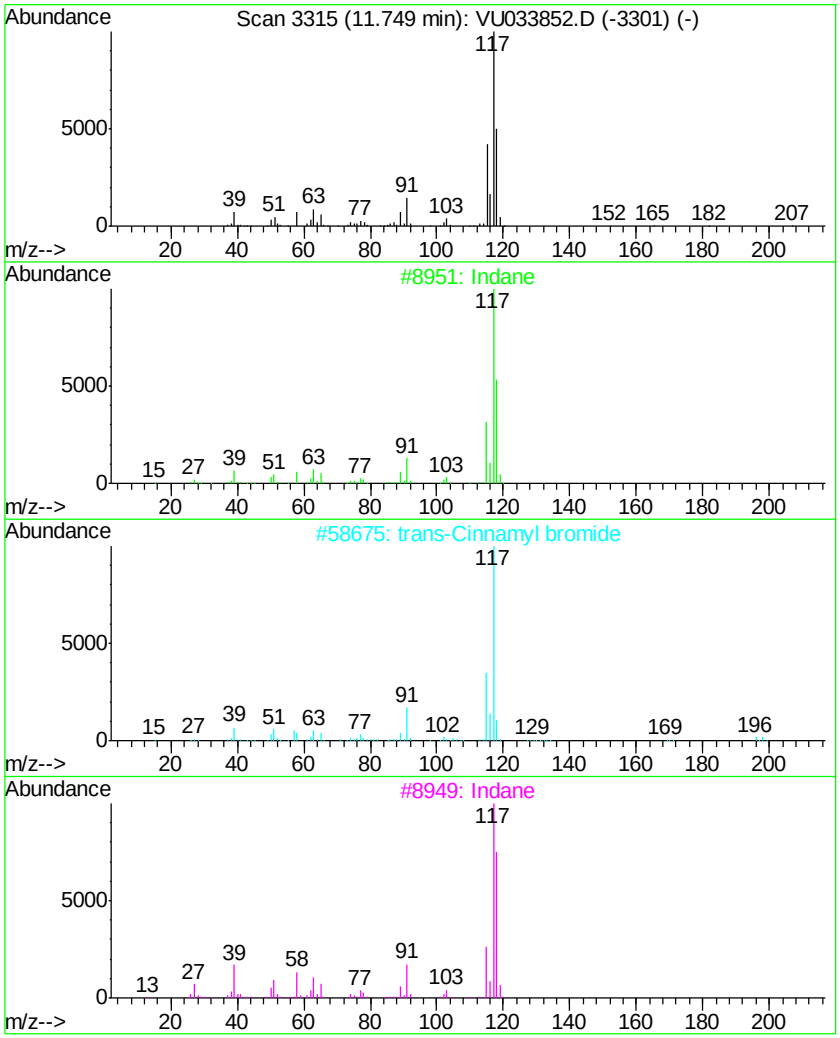
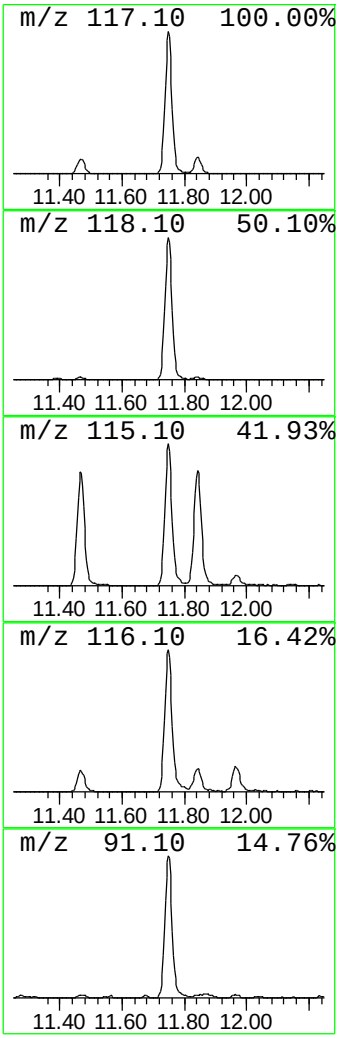
Peak Number 3 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	4.52 ug/L	539317	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	59
3	Indane	118	C9H10	000496-11-7	55
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	53
5	Indane	118	C9H10	000496-11-7	49





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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0AB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0

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

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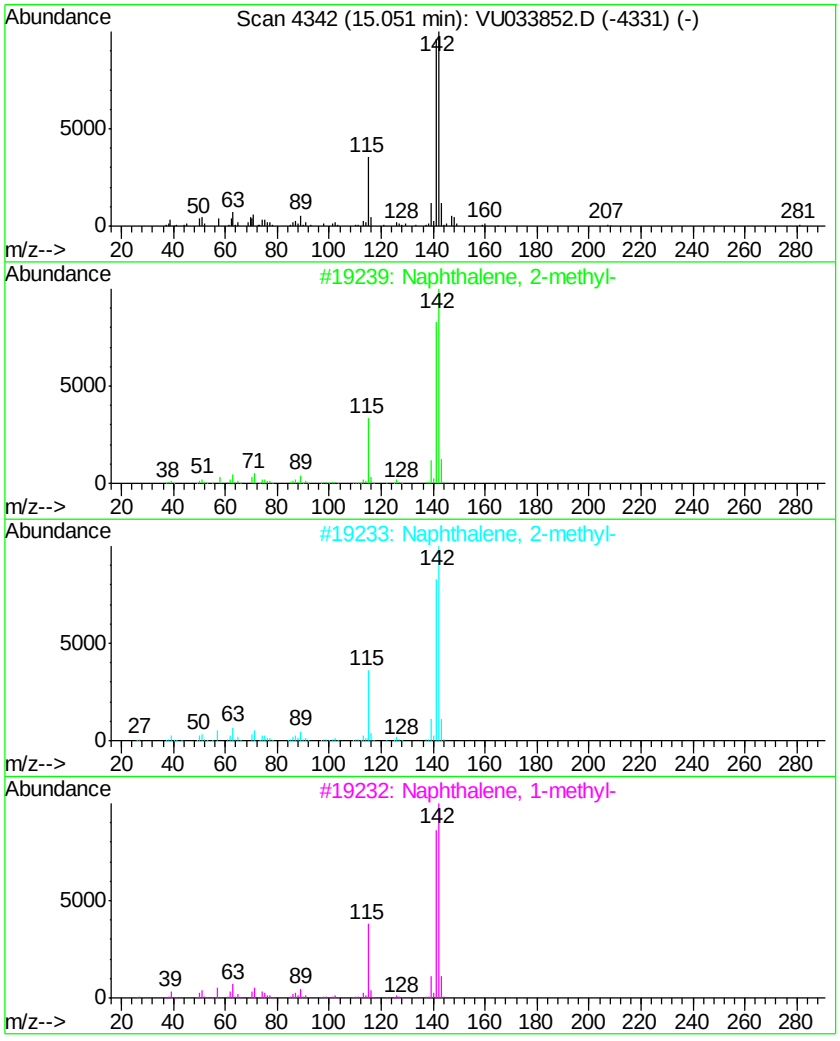
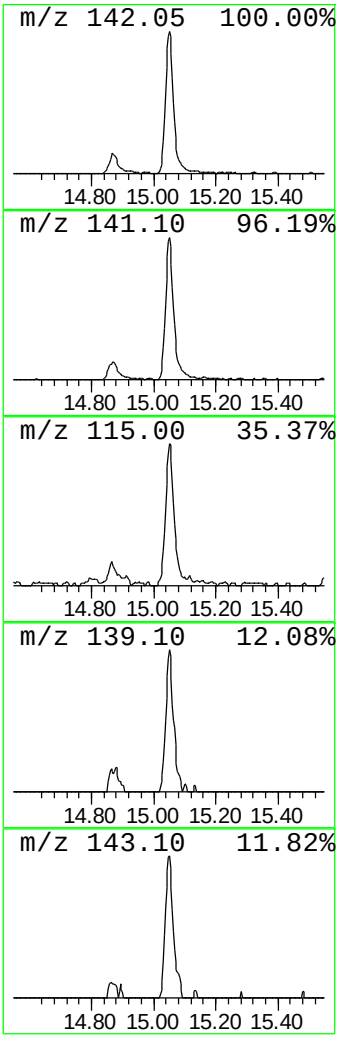
Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	1.19 ug/L	141751	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0AB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0

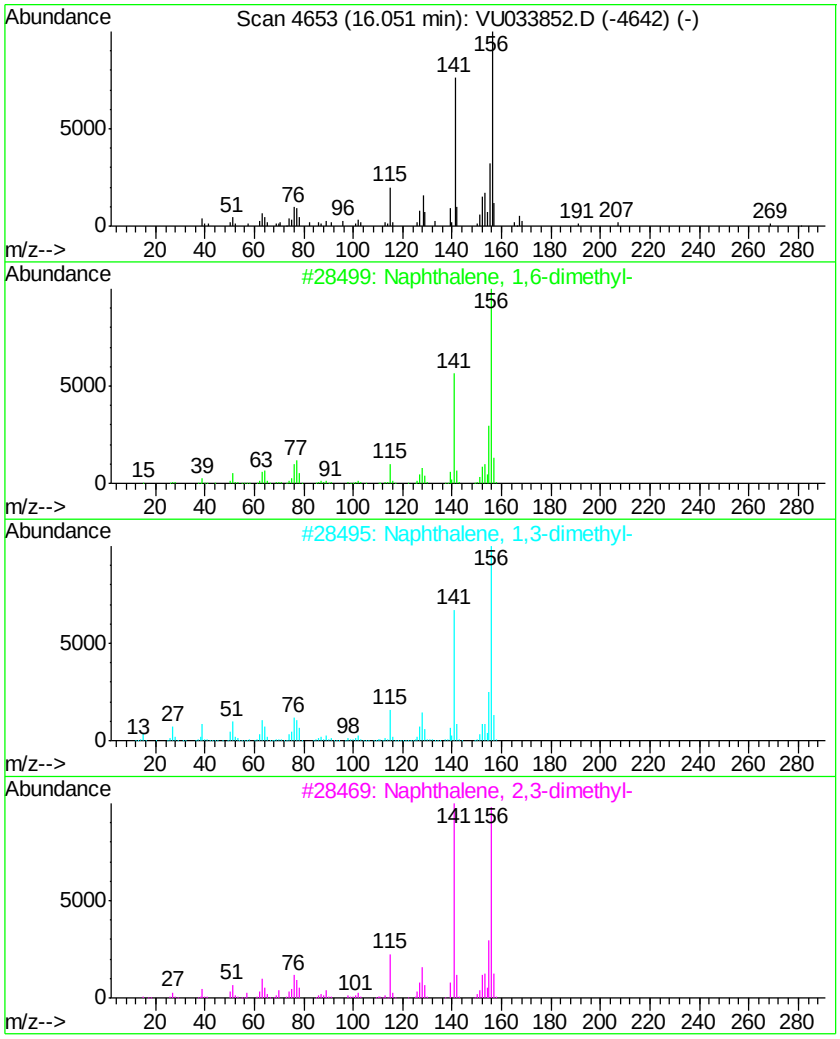
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

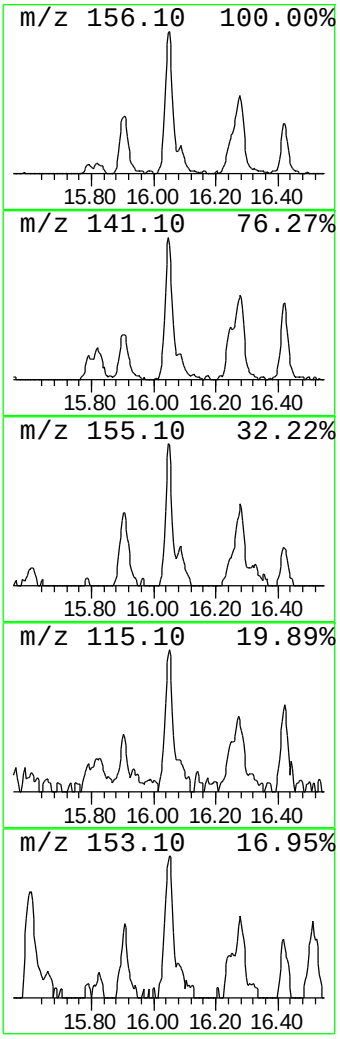
****

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	0.66 ug/L	78658	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Tentatively Identified Compound (LSC) summary

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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	1.28	1.3	ug/L	120397	1	5.86	472787	5.0
Indane	11.75	4.5	ug/L	539317	3	11.47	596108	5.0
Naphthalene, 1-me...	15.05	1.2	ug/L	141751	3	11.47	596108	5.0
Naphthalene, 1,6-...	16.05	0.7	ug/L	78658	3	11.47	596108	5.0