LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

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\SOMUTR101719WMA.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	1.369	3	9	24	rVB	406556	412673	19.42%	1.920%
2	1.449	29	34	41	rVB	28789	29181	1.37%	0.136%
3	1.507	46	52	67	rVB2	42068	49556	2.33%	0.231%
4	1.616	74	86	94	rBV4	458228	777474	36.59%	3.618%
5	1.678	100	105	111	rVB	74688	75264	3.54%	0.350%
6	1.752	120	128	136	rVB	120729	131292	6.18%	0.611%
7	1.864	156	163	169	rBV	34537	43189	2.03%	0.201%
8	1.906	169	176	178	rVV	62737	73513	3.46%	0.342%
9	1.932	179	184	201	rVV2	160950	234640	11.04%	1.092%
10	2.015	203	210	223	rVB	54014	72439	3.41%	0.337%
11	2.179	253	261	268	rBV	30976	43159	2.03%	0.201%
12	2.240	268	280	293	rVB4	121252	239570	11.27%	1.115%
13	2.343	305	312	321	rBV	35137	47827	2.25%	0.223%
14	2.401	324	330	336	rVV	23371	34196	1.61%	0.159%
15	2.443	337	343	351	rVV2	33674	51621	2.43%	0.240%
16	2.494	352	359	373	rVB	31355	48659	2.29%	0.226%
17	2.597	380	391	405	rBV	247439	406130	19.11%	1.890%
18	2.671	410	414	425	rVB2	16026	24423	1.15%	0.114%
19	3.009	508	519	524	rBV4	15125	29917	1.41%	0.139%
20	3.169	560	569	583	rVB5	13327	29482	1.39%	0.137%
21	3.395	619	639	657	rBV4	29312	70995	3.34%	0.330%
22	3.616	692	708	732	rBV6	23773	65857	3.10%	0.306%
23	3.874	774	788	791	rBV6	11982	22120	1.04%	0.103%
24	3.922	796	803	825	rVV3	24674	73924	3.48%	0.344%
25	4.237	883	901	914	rBV10	8147	25537	1.20%	0.119%
26	4.581	992	1008	1022	rBV5	8366	21494	1.01%	0.100%
27	4.713	1032	1049	1086	rBV2	262820	720320	33.90%	3.352%
28	4.883	1090	1102	1125	rVB	53758	124873	5.88%	0.581%
29	5.115	1159	1174	1195	rBV	213460	484352	22.79%	2.254%
30	5.430	1261	1272	1282	rBV4	14207	31128	1.46%	0.145%
31	5.771	1357	1378	1391	rBV2	451092	1145377	53.90%	5.330%
32	6.066	1463	1470	1486	rVB5	16605	36743	1.73%	0.171%
33	6.295	1526	1541	1575	rBV	389440	795850	37.45%	3.703%
34	6.610	1625	1639	1651	rVB4	36071	92336	4.35%	0.430%

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Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

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\SOMUTR101719WMA.M
Title : TRACE VOA SOM01.0

35	6.681	1652	1661	1667	rBV3	17924	30259	1.42%	0.141%
36	6.735	1667	1678	1692	rBV	266468	502895	23.67%	2.340%
37	7.607	1934	1949	1972	rBV	143698	282517	13.29%	1.315%
38	7.935	2029	2051	2063	rBV	561210	994505	46.80%	4.628%
39	8.005	2064	2073	2088	rVB	131603	233268	10.98%	1.085%
40	8.217	2127	2139	2151	rBV	84905	157329	7.40%	0.732%
41	8.690	2271	2286	2329	rBV	395023	1229328	57.85%	5.721%
42	8.957	2361	2369	2388	rVB6	9510	21355	1.00%	0.099%
43	9.452	2506	2523	2545	rBV	507660	978572	46.05%	4.554%
44	9.603	2557	2570	2595	rBV	1241560	2125041	100.00%	9.889%
45	9.725	2598	2608	2621	rVB	113715	204531	9.62%	0.952%
46	10.513	2839	2853	2869	rBV2	84226	137251	6.46%	0.639%
47	10.790	2925	2939	2963	rVB2	205065	371627	17.49%	1.729%
48	10.934	2971	2984	3000	rBV	62833	108237	5.09%	0.504%
49	11.053	3006	3021	3037	rVB	28721	56207	2.64%	0.262%
50	11.272	3079	3089	3097	rBV2	15571	26588	1.25%	0.124%
51	11.323	3098	3105	3123	rVB3	10655	22478	1.06%	0.105%
52	11.671	3206	3213	3225	rVB	34410	55689	2.62%	0.259%
53	11.844	3254	3267	3286	rBV	429354	816425	38.42%	3.799%
54	12.124	3343	3354	3366	rVB3	32089	53606	2.52%	0.249%
55	12.224	3370	3385	3408	rBV	480758	882778	41.54%	4.108%
56	12.330	3408	3418	3428	rBV4	16381	27226	1.28%	0.127%
57	12.404	3430	3441	3455	rVB	86828	139031	6.54%	0.647%
58	12.709	3526	3536	3554	rBV	103004	176859	8.32%	0.823%
59	12.889	3584	3592	3604	rVB3	18123	33301	1.57%	0.155%
60	12.999	3608	3626	3635	rBV	101765	172957	8.14%	0.805%
61	13.053	3635	3643	3660	rVB2	70035	115947	5.46%	0.540%
62	13.143	3662	3671	3684	rVB8	12004	21876	1.03%	0.102%
63	13.224	3687	3696	3704	rBV3	19077	32337	1.52%	0.150%
64	13.278	3705	3713	3724	rVB2	31015	49903	2.35%	0.232%
65	13.352	3726	3736	3745	rBV3	18837	29299	1.38%	0.136%
66	13.426	3750	3759	3765	rBV2	25069	38356	1.80%	0.178%
67	13.471	3765	3773	3786	rVB	43308	69995	3.29%	0.326%
68	13.555	3786	3799	3804	rBV4	21316	41303	1.94%	0.192%
69	13.667	3825	3834	3844	rVB10	10151	21605	1.02%	0.101%
70	13.815	3871	3880	3887	rBV	44561	66930	3.15%	0.311%
71	13.857	3887	3893	3898	rBV	27968	38308	1.80%	0.178%

LSC Area Percent Report

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Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

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\SOMUTR101719WMA.M
Title : TRACE VOA SOM01.0

72	14.089	3952	3965	3973	rBV4	18734	35534	1.67%	0.165%
73	14.143	3973	3982	3993	rVV5	26597	52671	2.48%	0.245%
74	14.217	3993	4005	4018	rVV	448341	704028	33.13%	3.276%
75	14.314	4019	4035	4047	rVV	511398	830888	39.10%	3.866%
76	14.690	4143	4152	4157	rBV	87139	138209	6.50%	0.643%
77	14.831	4184	4196	4206	rBV2	135306	234249	11.02%	1.090%
78	14.902	4208	4218	4230	rVV4	162786	316701	14.90%	1.474%
79	14.966	4230	4238	4252	rVB4	54017	90383	4.25%	0.421%
80	15.053	4256	4265	4274	rBV2	48331	77730	3.66%	0.362%
81	15.111	4275	4283	4296	rVB4	28493	52477	2.47%	0.244%
82	15.220	4308	4317	4332	rVV2	211956	445159	20.95%	2.071%
83	15.298	4332	4341	4352	rVB3	330398	536829	25.26%	2.498%
84	15.375	4358	4365	4373	rVB3	41535	59077	2.78%	0.275%
85	15.449	4379	4388	4393	rBV3	32600	58002	2.73%	0.270%
86	15.484	4394	4399	4407	rVV4	49064	92311	4.34%	0.430%
87	15.526	4407	4412	4423	rVB4	51175	84147	3.96%	0.392%
88	15.761	4477	4485	4501	rVB5	46208	107242	5.05%	0.499%
89	15.941	4531	4541	4555	rVB2	100868	205140	9.65%	0.955%
90	16.034	4561	4570	4583	rVB5	56419	109405	5.15%	0.509%
91	16.117	4586	4596	4605	rBV4	22937	40075	1.89%	0.186%
92	16.175	4606	4614	4620	rBV3	38777	65390	3.08%	0.304%
93	16.291	4643	4650	4656	rBV	37372	55584	2.62%	0.259%
94	16.336	4658	4664	4675	rVB	56616	96168	4.53%	0.448%
95	16.481	4703	4709	4721	rVB4	41279	71576	3.37%	0.333%

Sum of corrected areas: 21489805

LSC Report - Integrated Chromatogram

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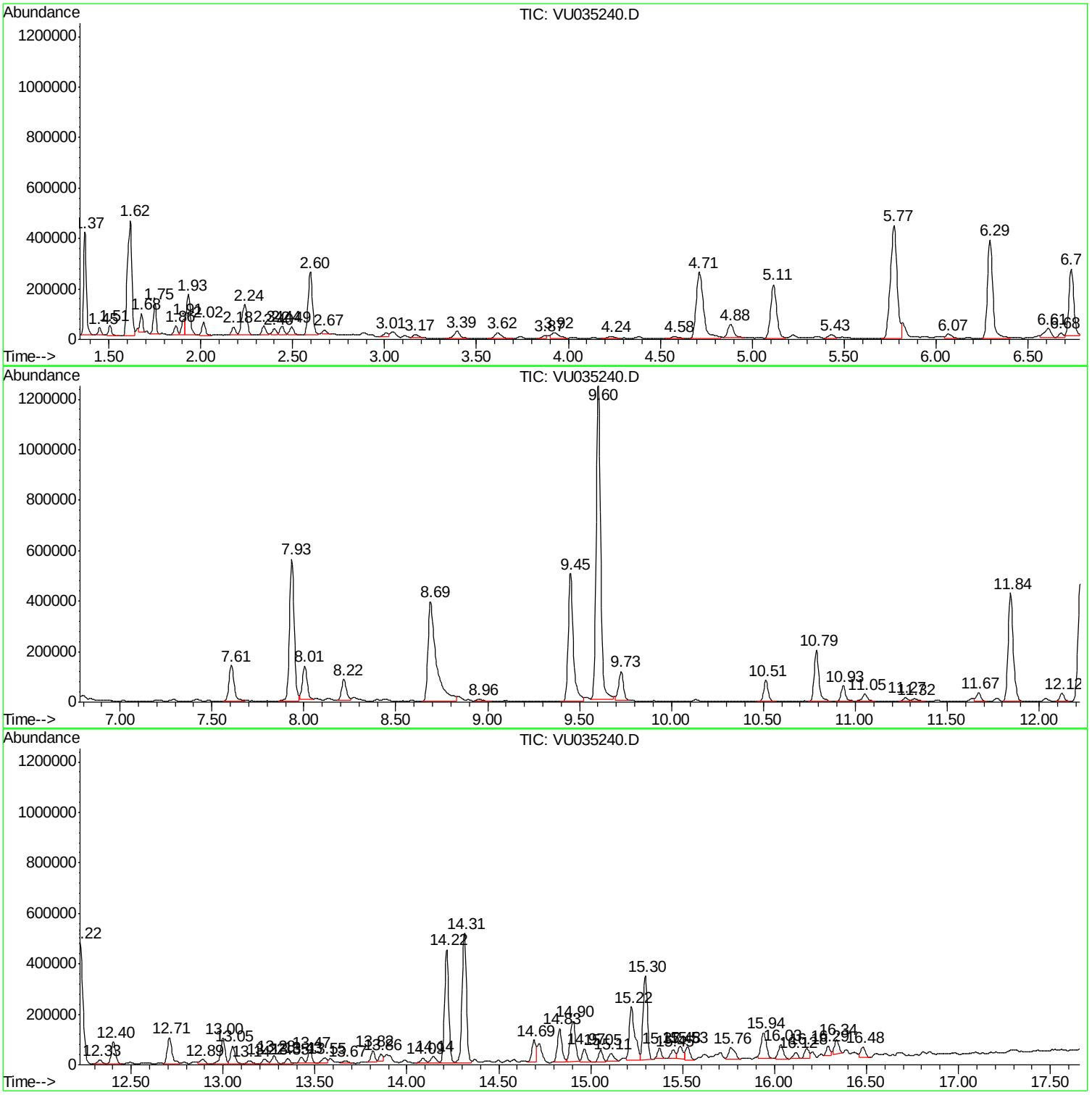
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.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\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
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ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

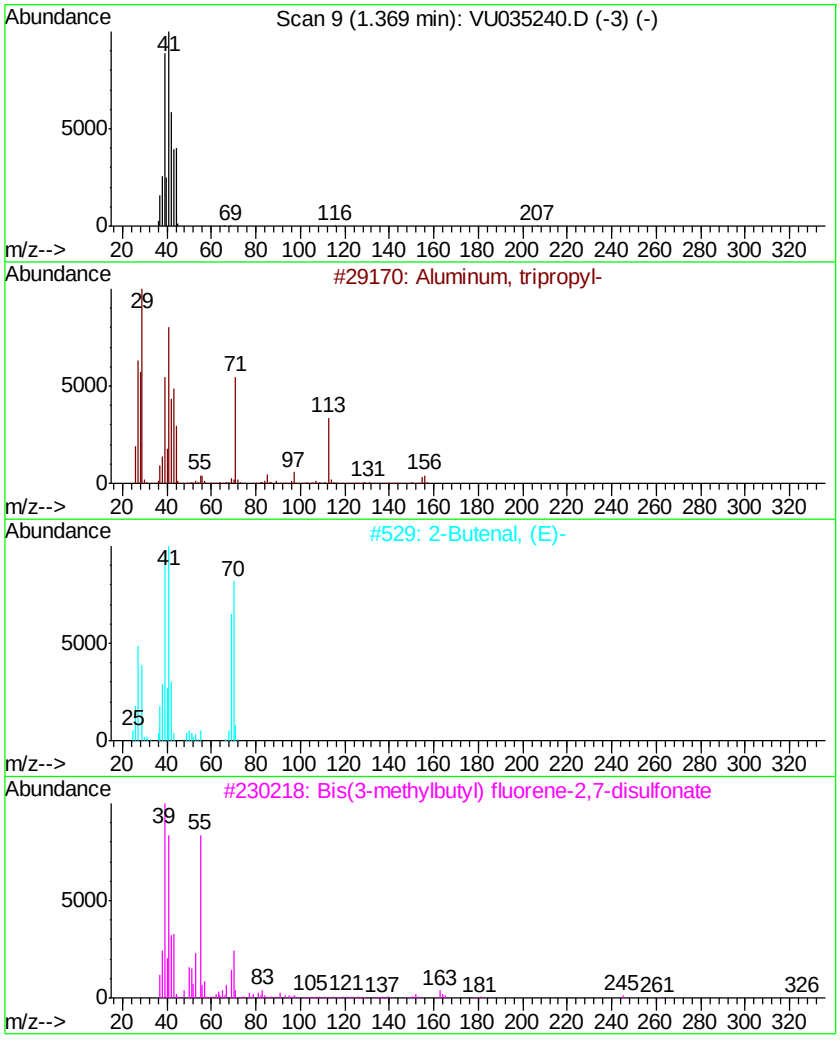
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

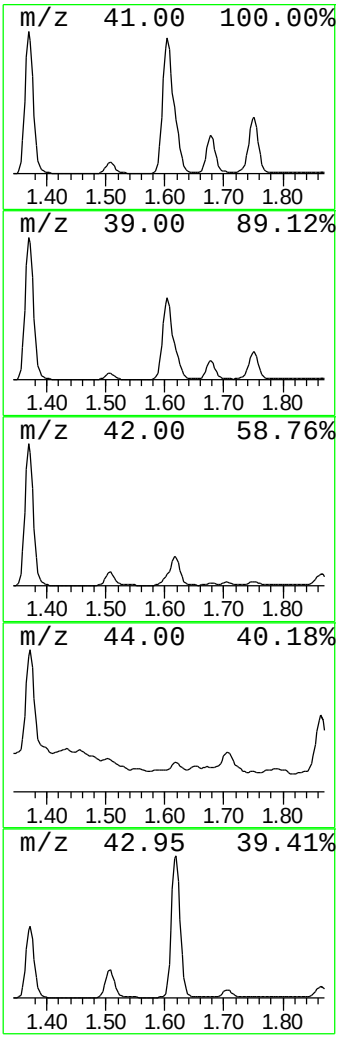
****

Peak Number 1 Aluminum, tripropyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	2.59 ug/L	412673	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aluminum, tripropyl-	156	C9H21Al	000102-67-0	83
2	2-Butenal, (E)-	70	C4H6O	000123-73-9	72
3	Bis(3-methylbutyl) fluorene-2,7-...	466	C23H30O6S2	253664-95-8	72
4	3-Butenoic acid	86	C4H6O2	000625-38-7	72
5	Cyclopropanecarboxylic acid	86	C4H6O2	001759-53-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

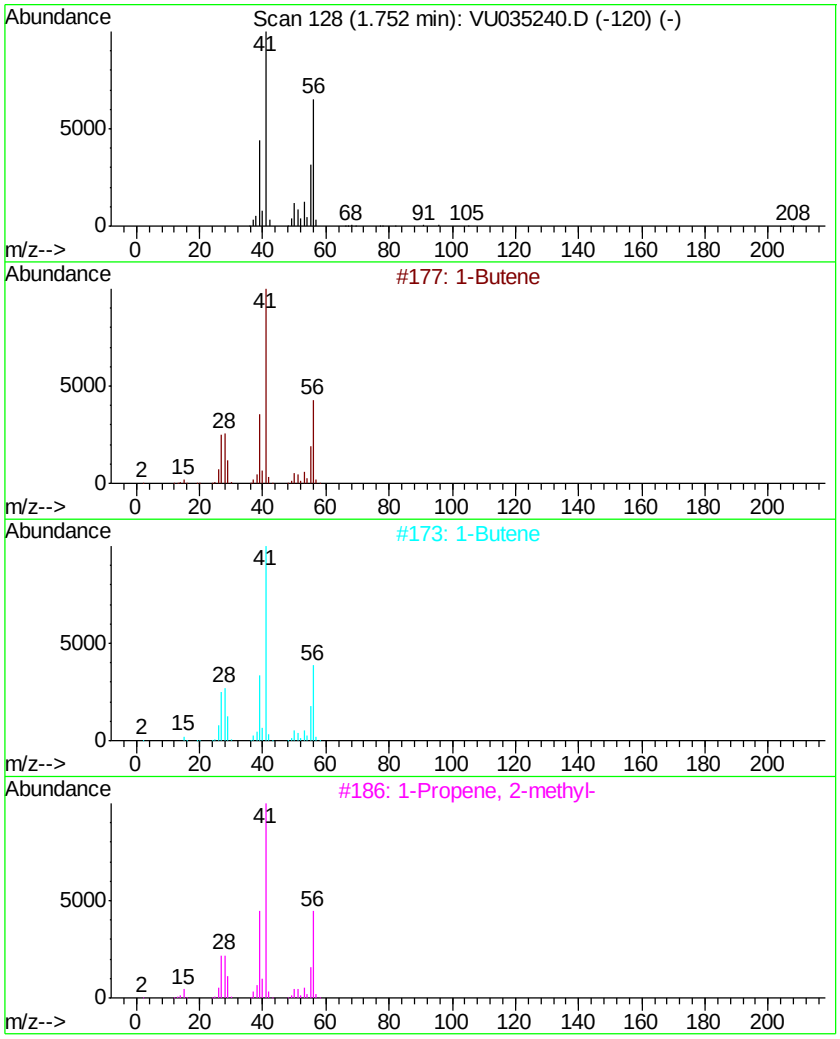
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

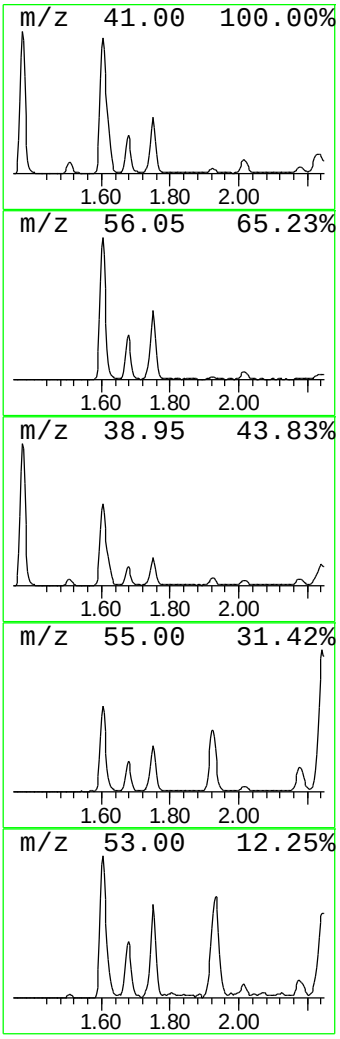
****

Peak Number 2 (DEL) Alkane: Cyclic1.75 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	0.82 ug/L	131292	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	90
2	1-Butene	56	C4H8	000106-98-9	90
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	86
4	2-Butene, (Z)-	56	C4H8	000590-18-1	86
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	86





Library Search Compound Report

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Acq On : 18 Oct 2019 03:43
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ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

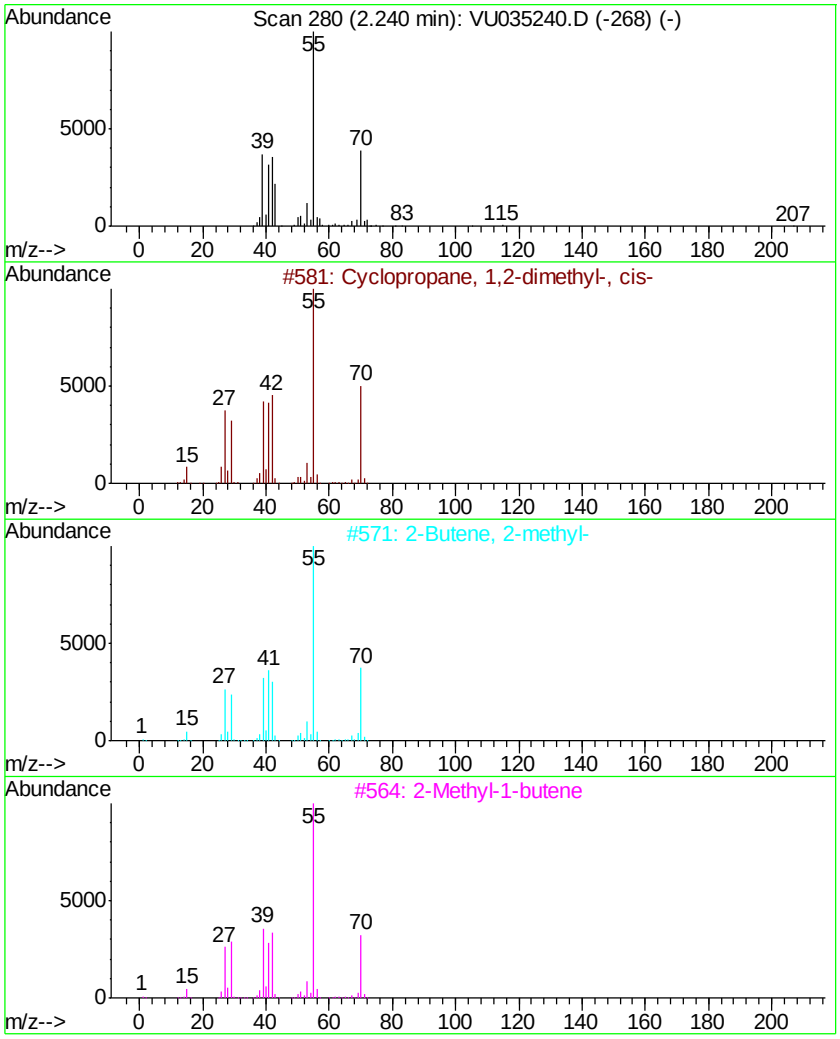
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

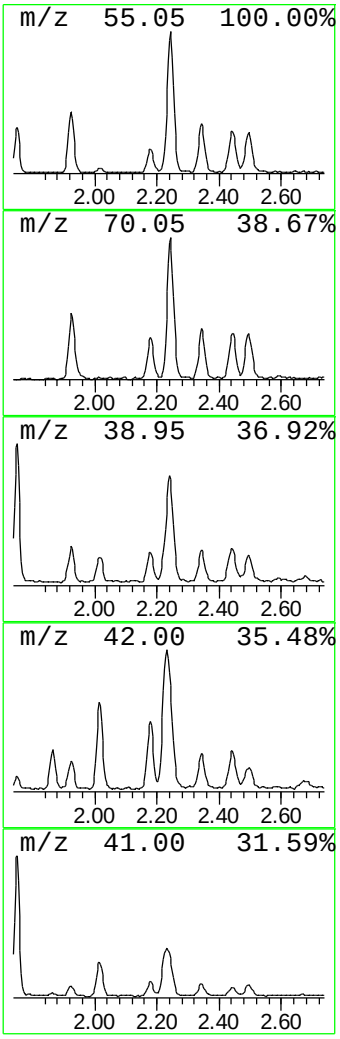
****

Peak Number 3 (DEL) Alkane: Cyclic2.24 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.24	1.51 ug/L	239570	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
3	2-Methyl-1-butene	70	C5H10	000563-46-2	87
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87





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ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

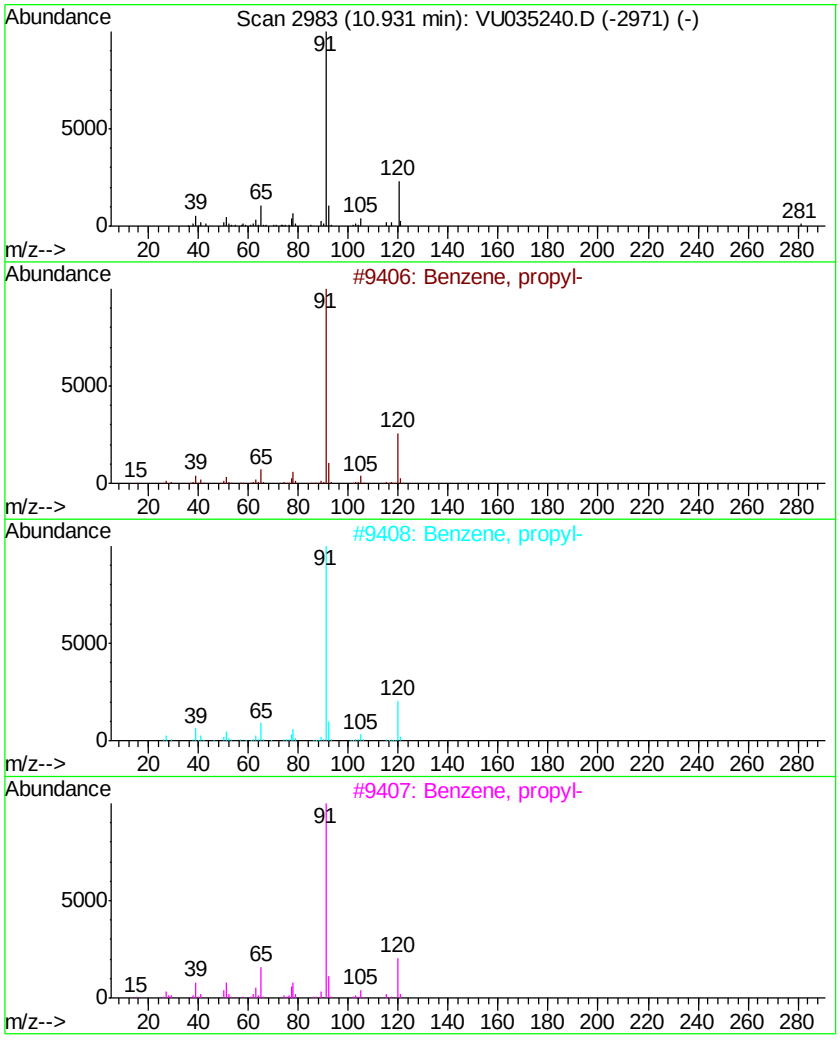
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

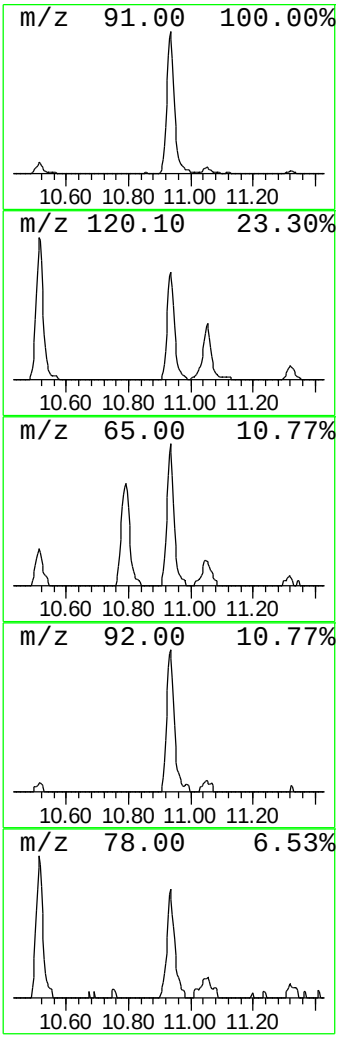
****

Peak Number 6 Benzene, propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	0.66 ug/L	108237	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	81
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
5	Benzene, (ethenyloxy)-	120	C8H8O	000766-94-9	64





Library Search Compound Report

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Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

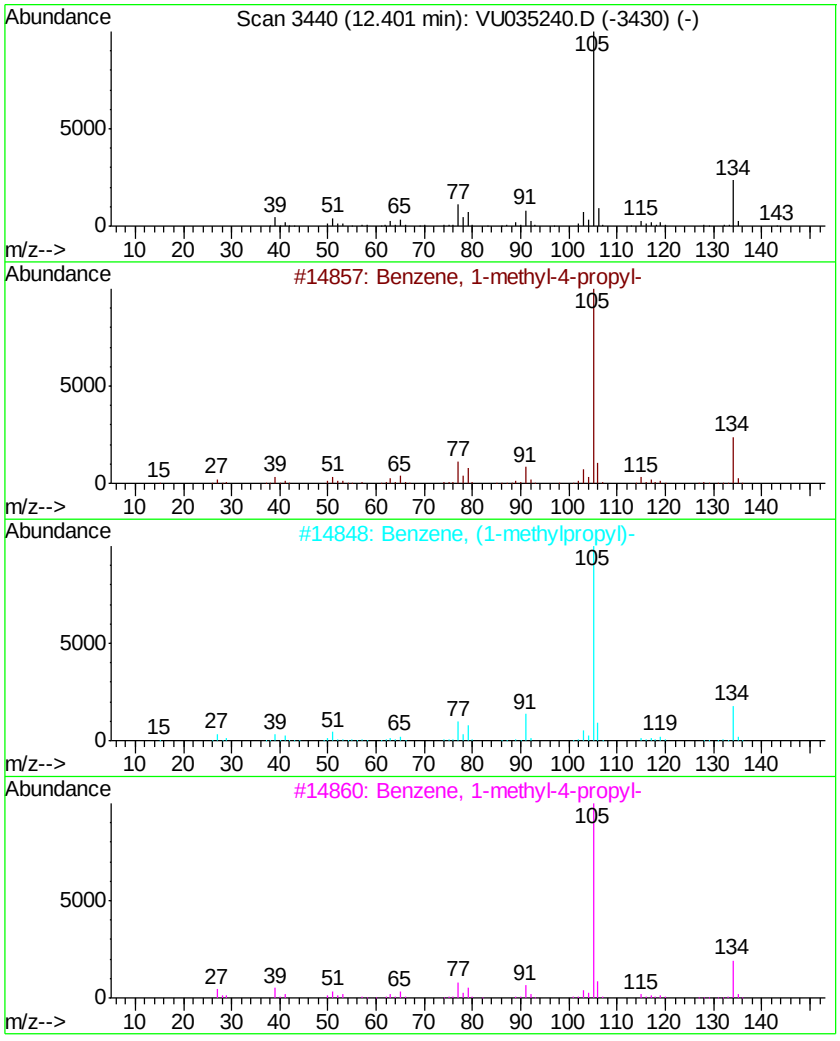
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

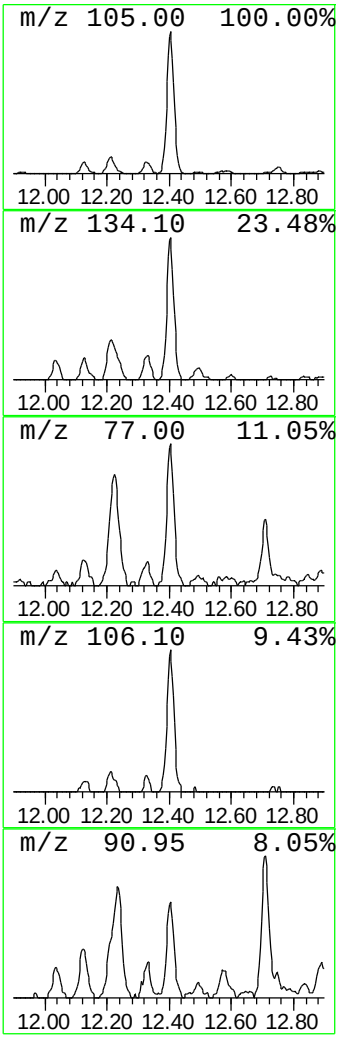
****

Peak Number 7 Benzene, 1-methyl-4-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	0.85 ug/L	139031	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

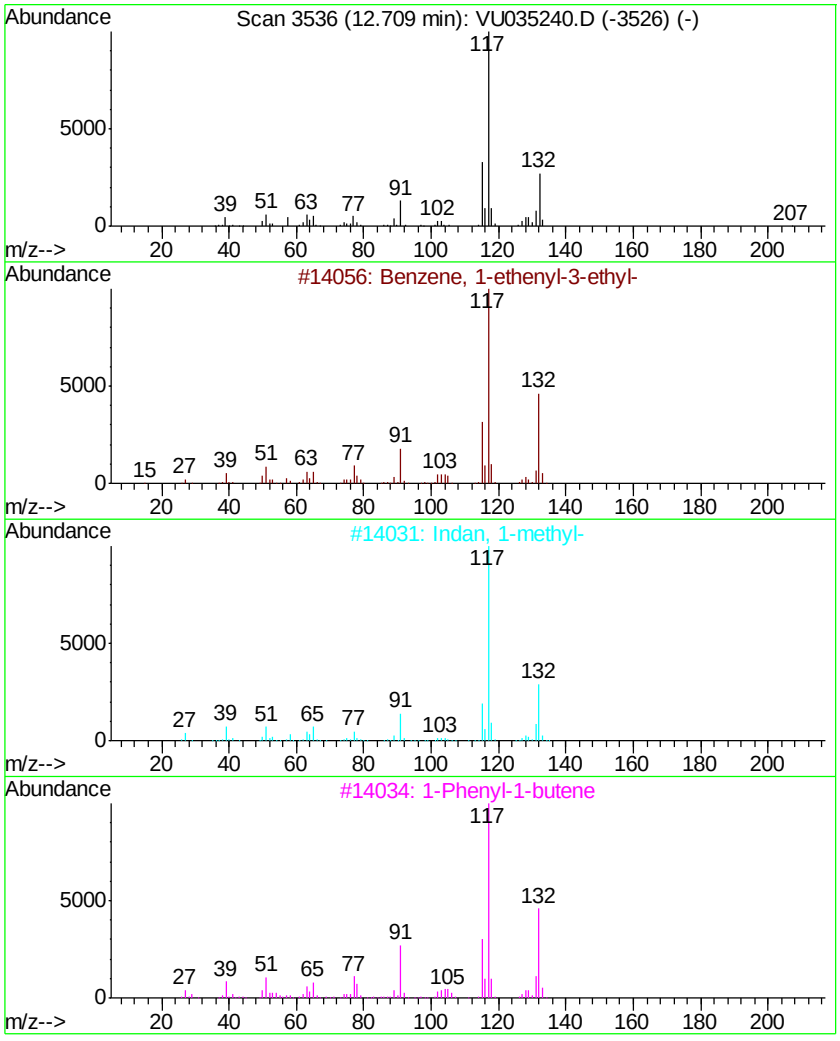
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

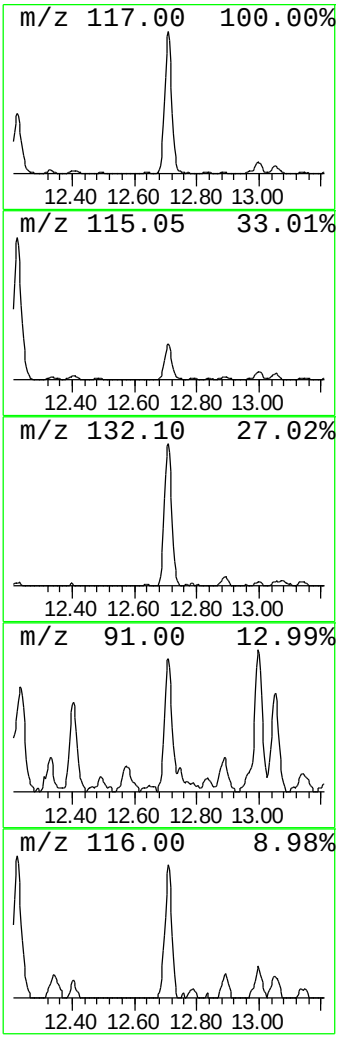
****

Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	1.08 ug/L	176859	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	78





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Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

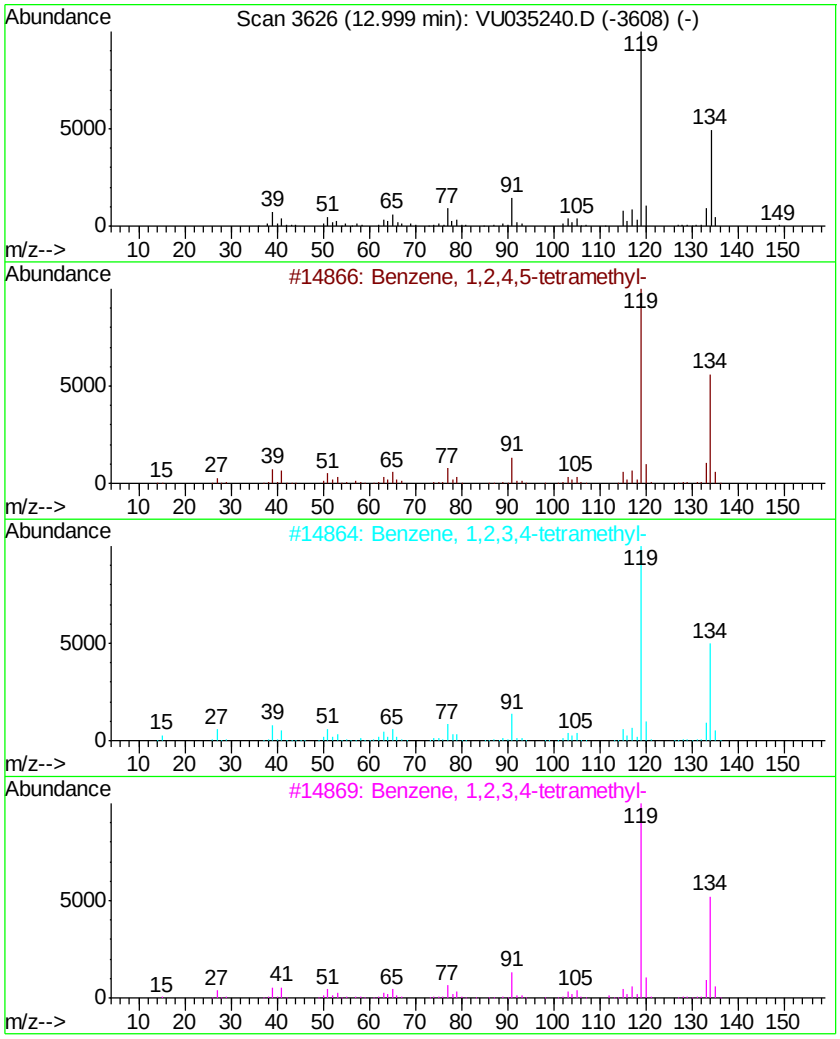
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

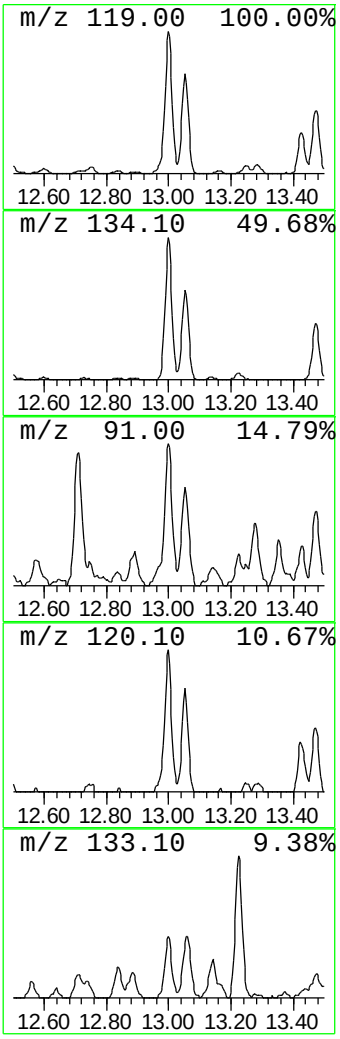
****

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	1.06 ug/L	172957	1,4-Dichlorobenzene-d4	11.84

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

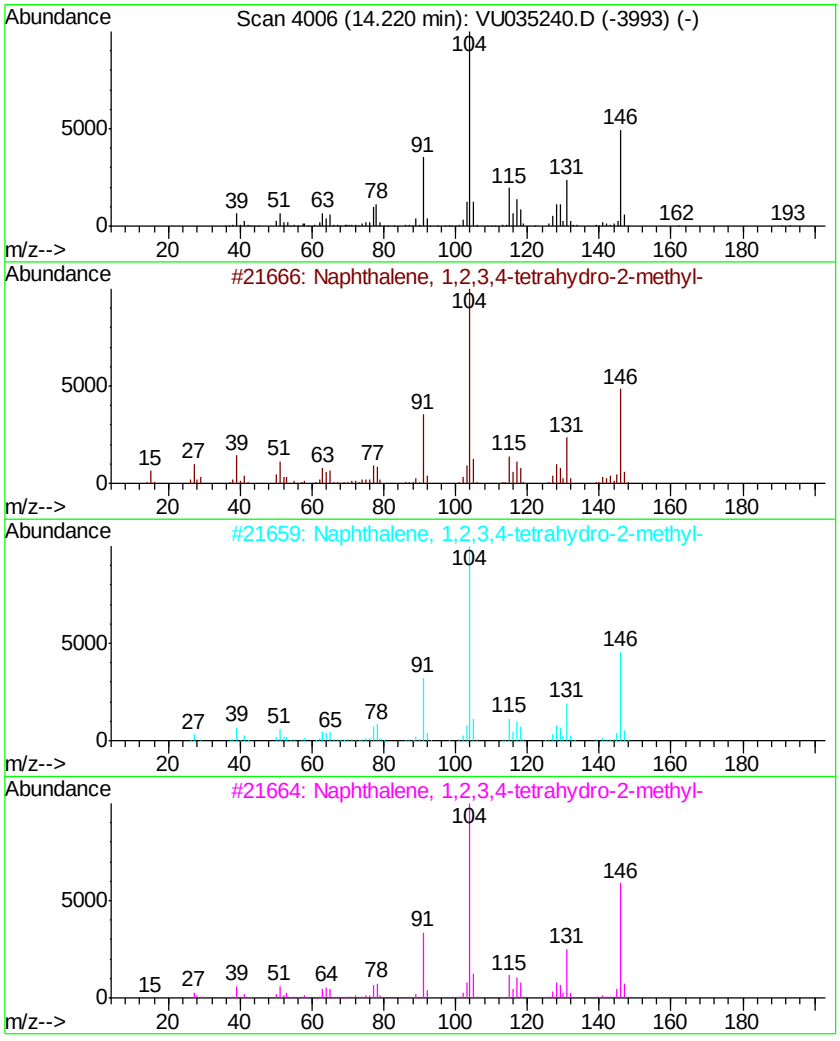
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

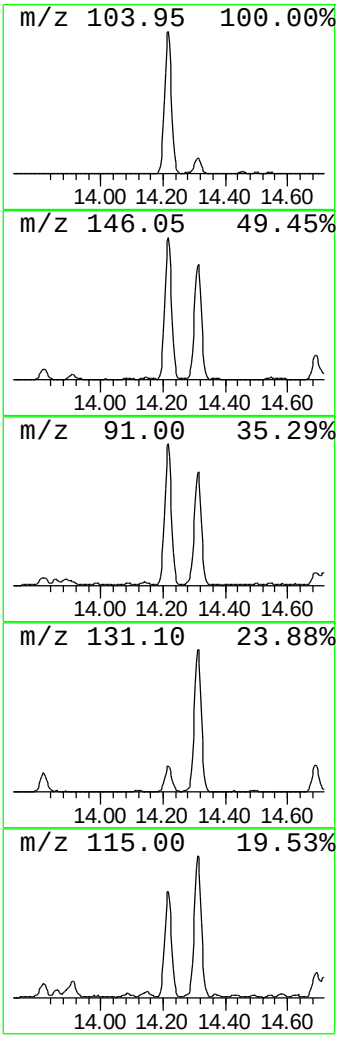
****

Peak Number 11 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	4.31 ug/L	704028	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
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	81
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\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

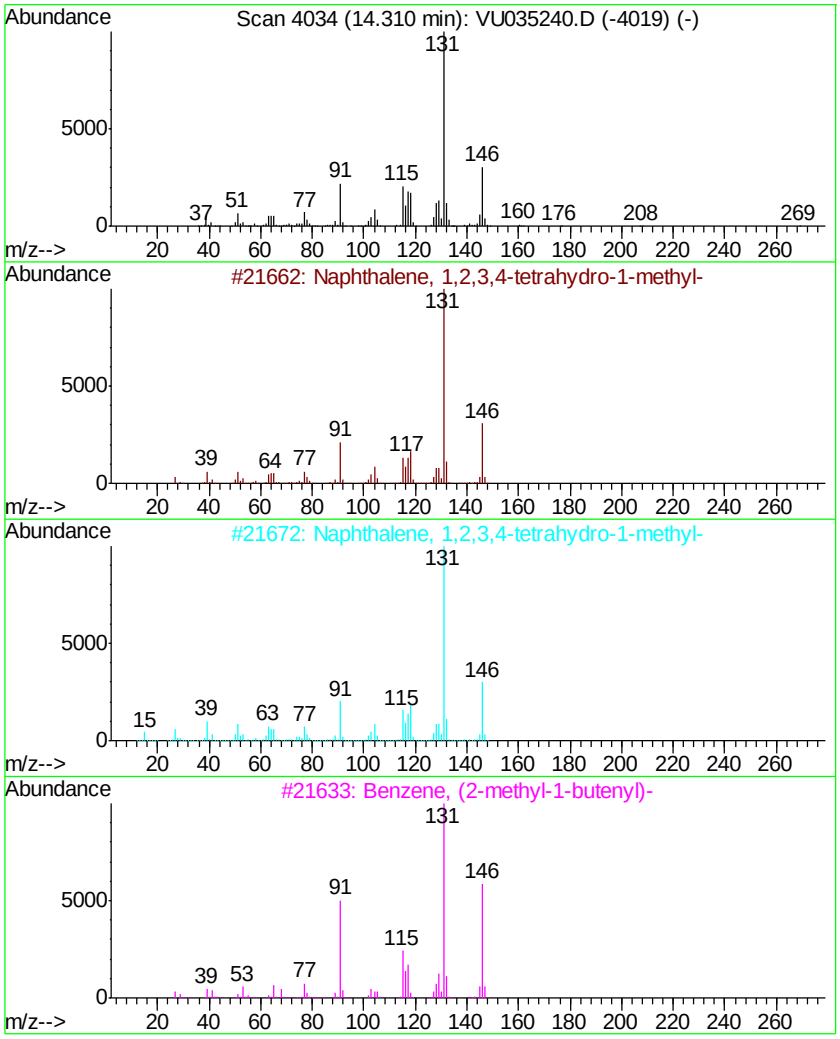
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

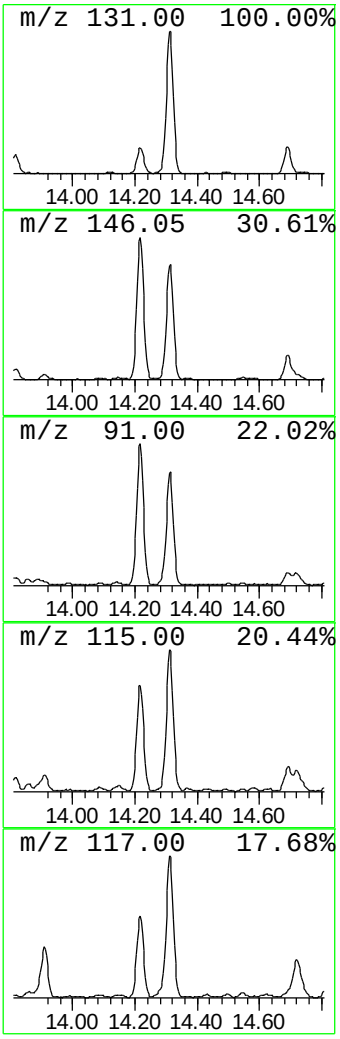
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	5.09 ug/L	830888	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	96
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	95
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

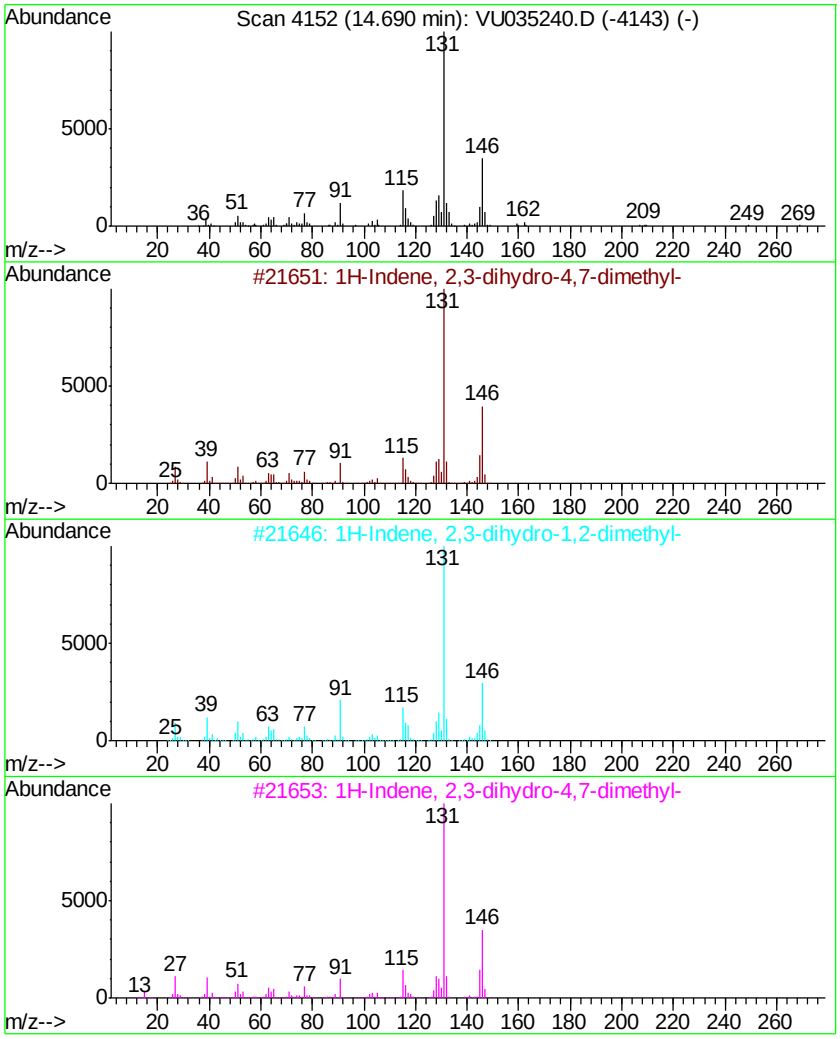
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

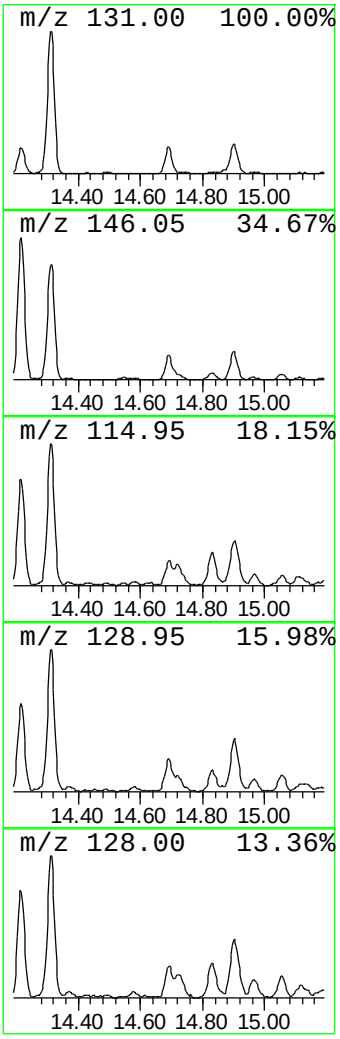
****

Peak Number 13 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	0.85 ug/L	138209	1,4-Dichlorobenzene-d4	11.84

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-1,2-dimet...	146	C11H14	017057-82-8	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

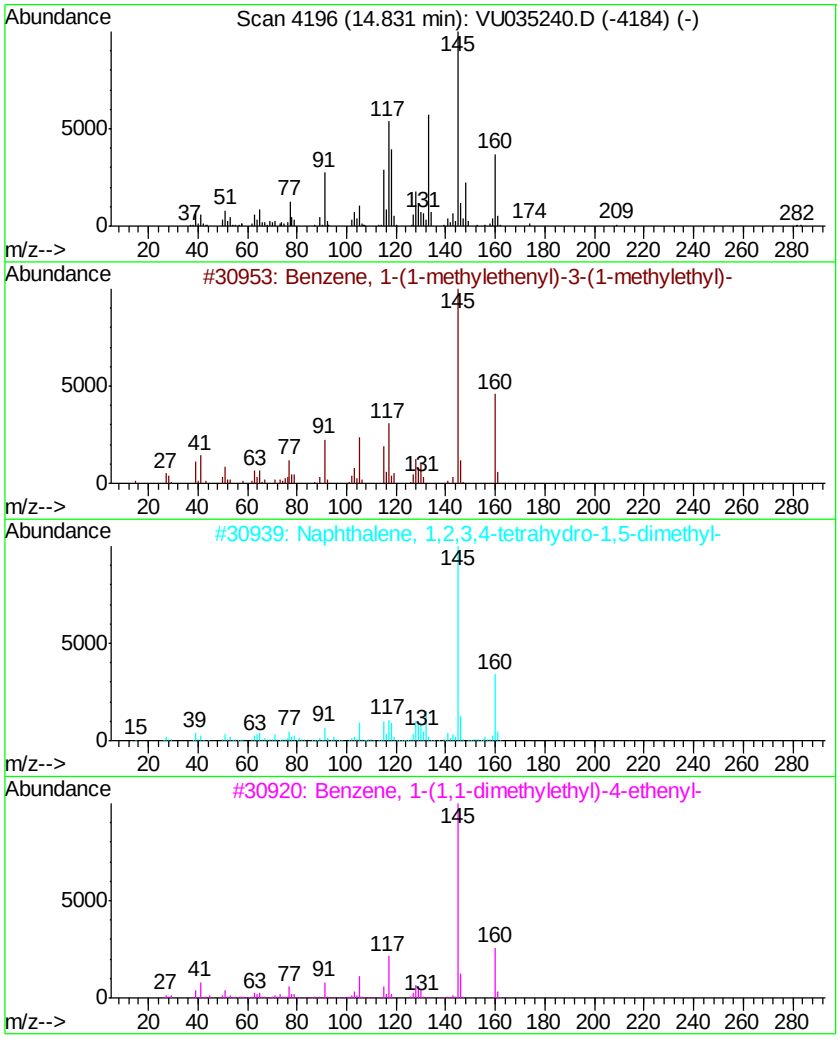
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

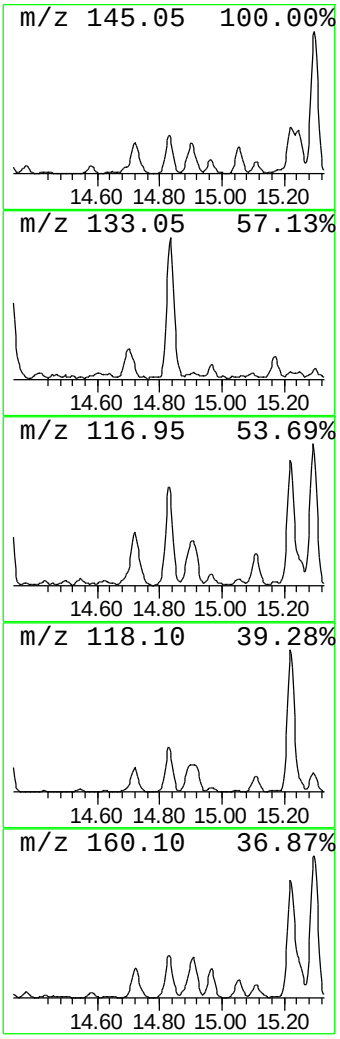
****

Peak Number 14 Benzene, 1-(1-methylethenyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	1.43 ug/L	234249	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	60
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	60
3	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	60
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	56
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	55





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Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

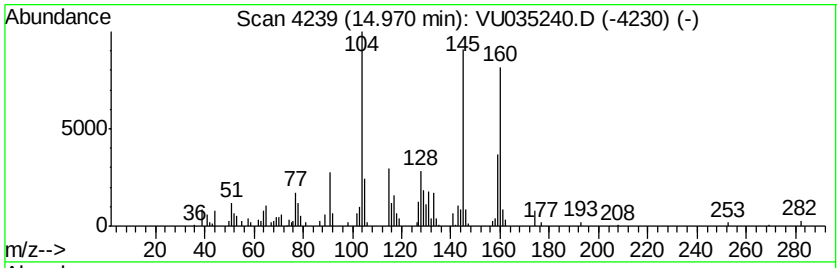
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

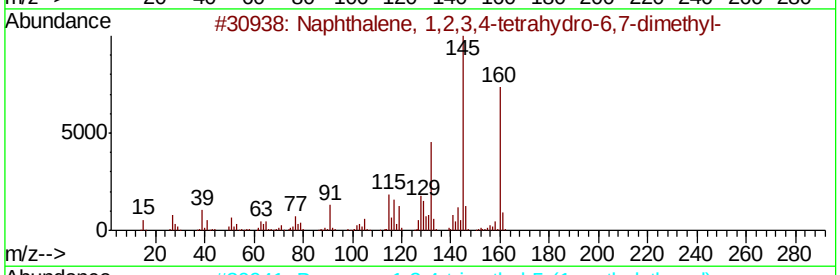
****

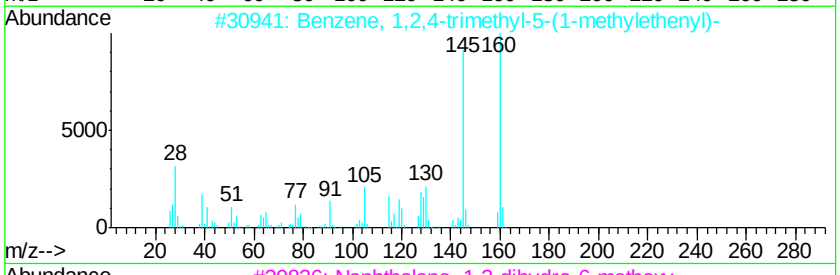
Peak Number 16 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 23

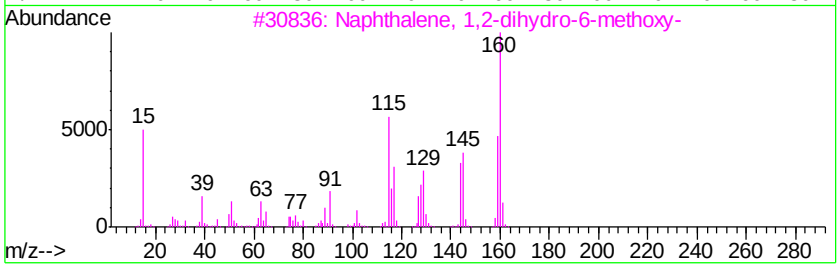
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	0.55 ug/L	90383	1,4-Dichlorobenzene-d4	11.84

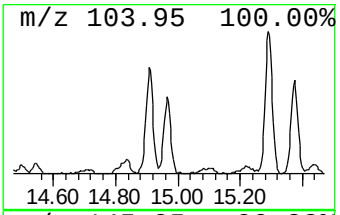
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	55
2	Benzene, 1,2,4-trimethyl-5-(1-me...	160	C12H16	054340-84-0	52
3	Naphthalene, 1,2-dihydro-6-methoxy-	160	C11H12O	060573-58-2	46
4	Naphthalene, 1,2-dihydro-7-methoxy-	160	C11H12O	052178-91-3	46
5	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	45

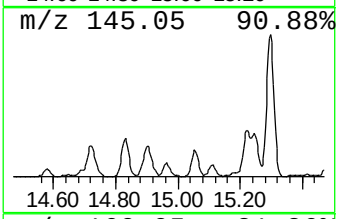


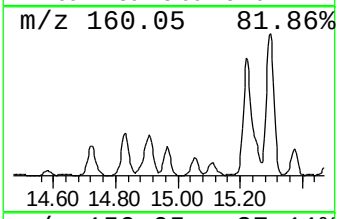


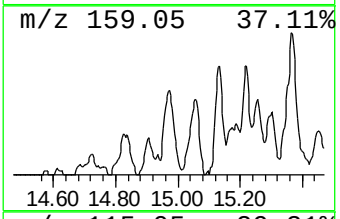


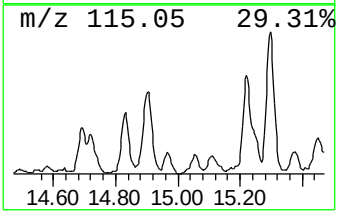












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

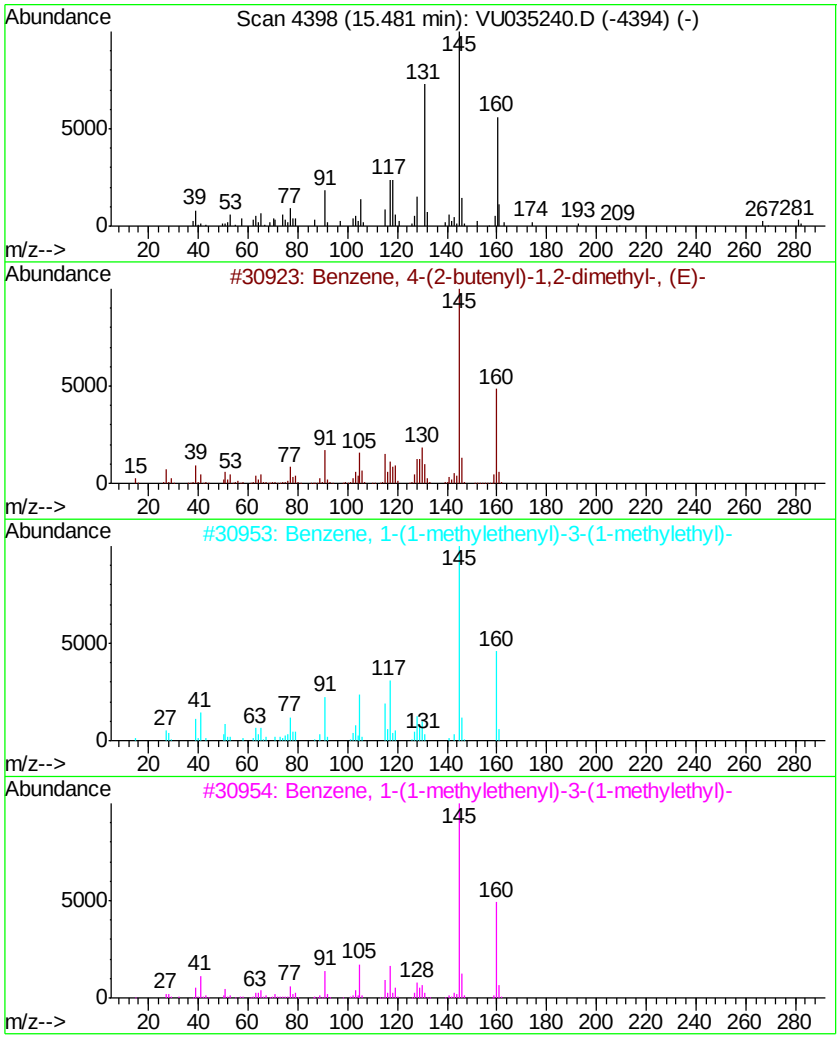
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

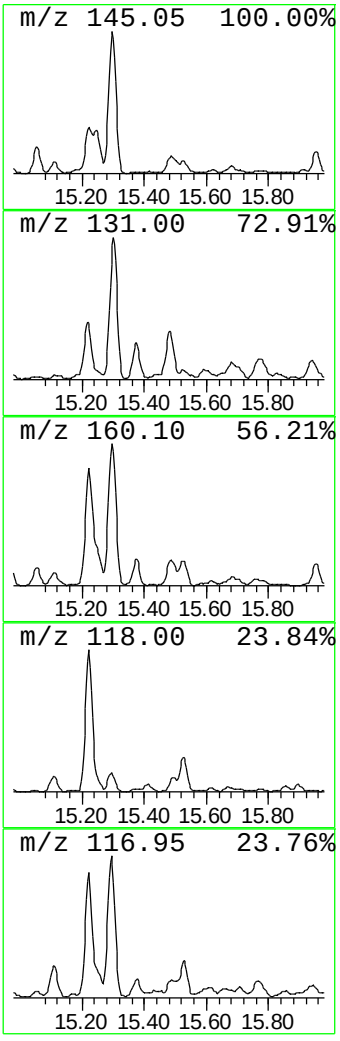
****

Peak Number 19 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	0.57 ug/L	92311	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	81
2	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	76
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	64
5	1H-Pyrrolo[2,3-b]pyridine, 2-(1-...	160	C10H12N2	027257-18-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

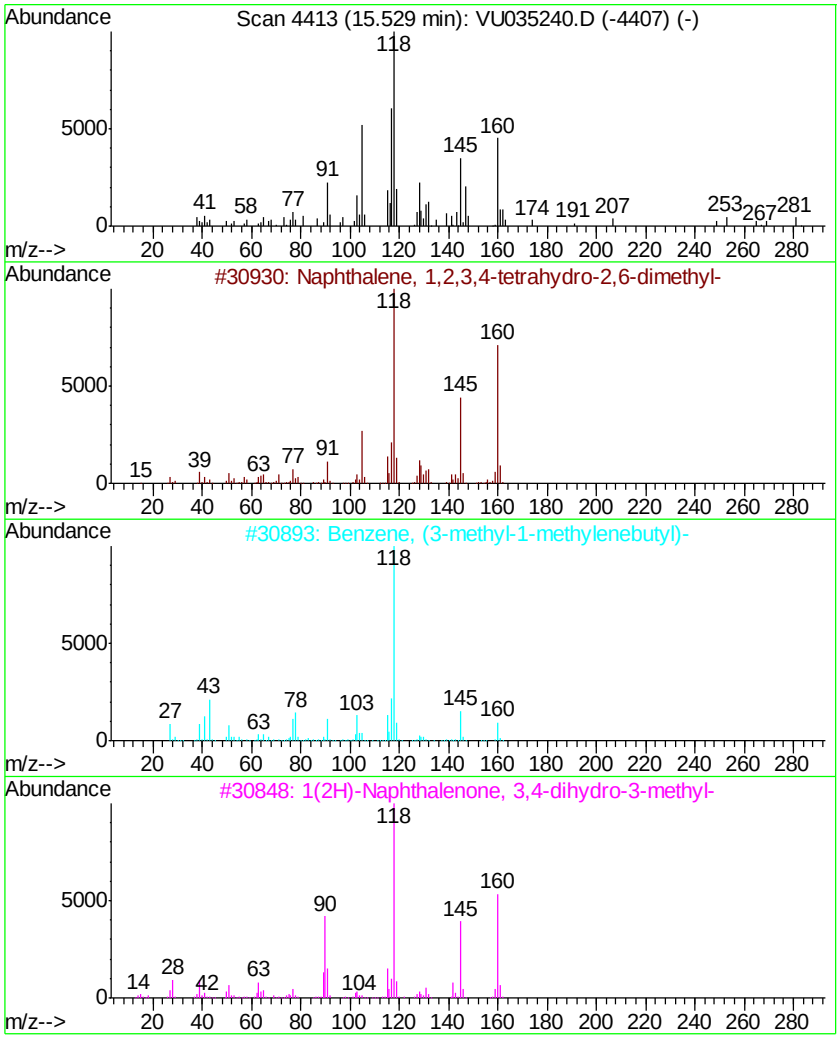
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

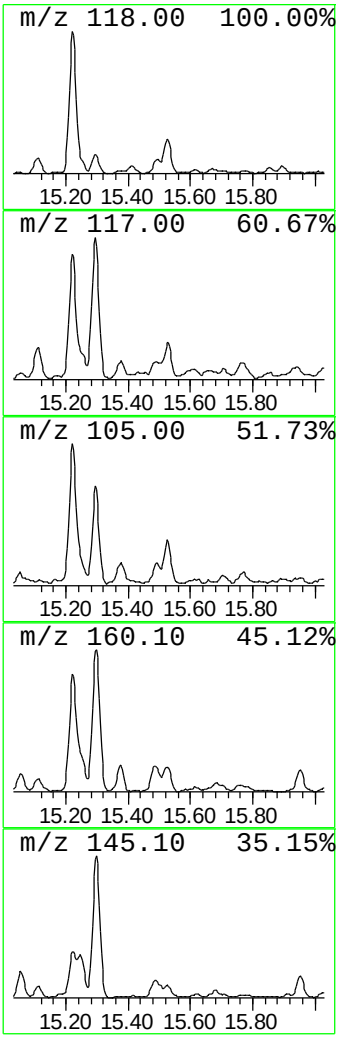
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	0.52 ug/L	84147	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	64
2	Benzene, (3-methyl-1-methylenebu...	160	C12H16	038212-14-5	58
3	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	53
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	49
5	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	001590-08-5	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

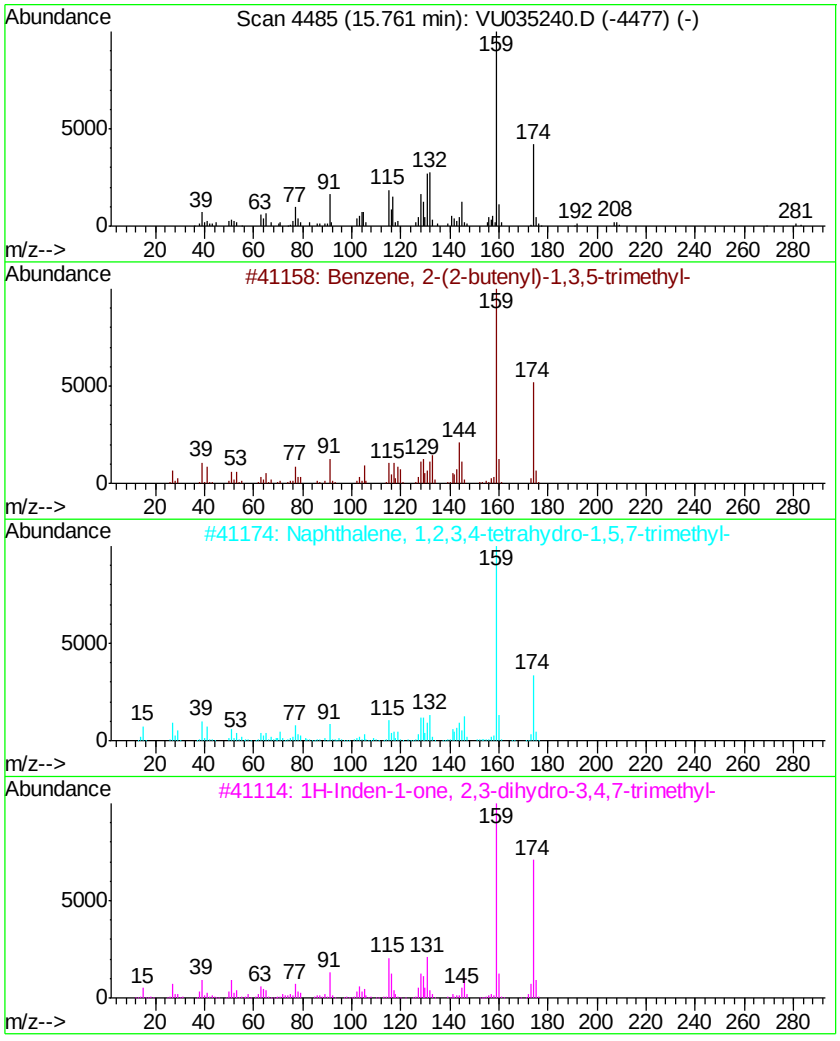
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

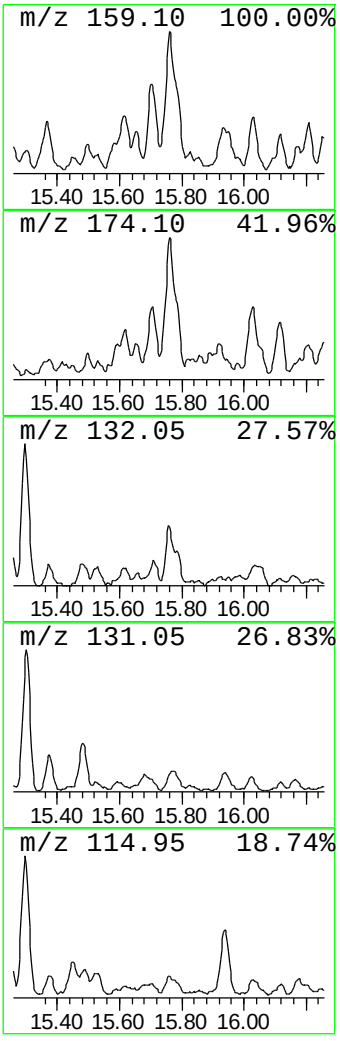
****

Peak Number 21 Benzene, 2-(2-butenyl)-1,3,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	0.66 ug/L	107242	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-(2-butenyl)-1,3,5-tri...	174	C13H18	063435-25-6	81
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-55-0	74
3	1H-Inden-1-one, 2,3-dihydro-3,4,...	174	C12H14O	035322-84-0	74
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	74
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	72





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Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

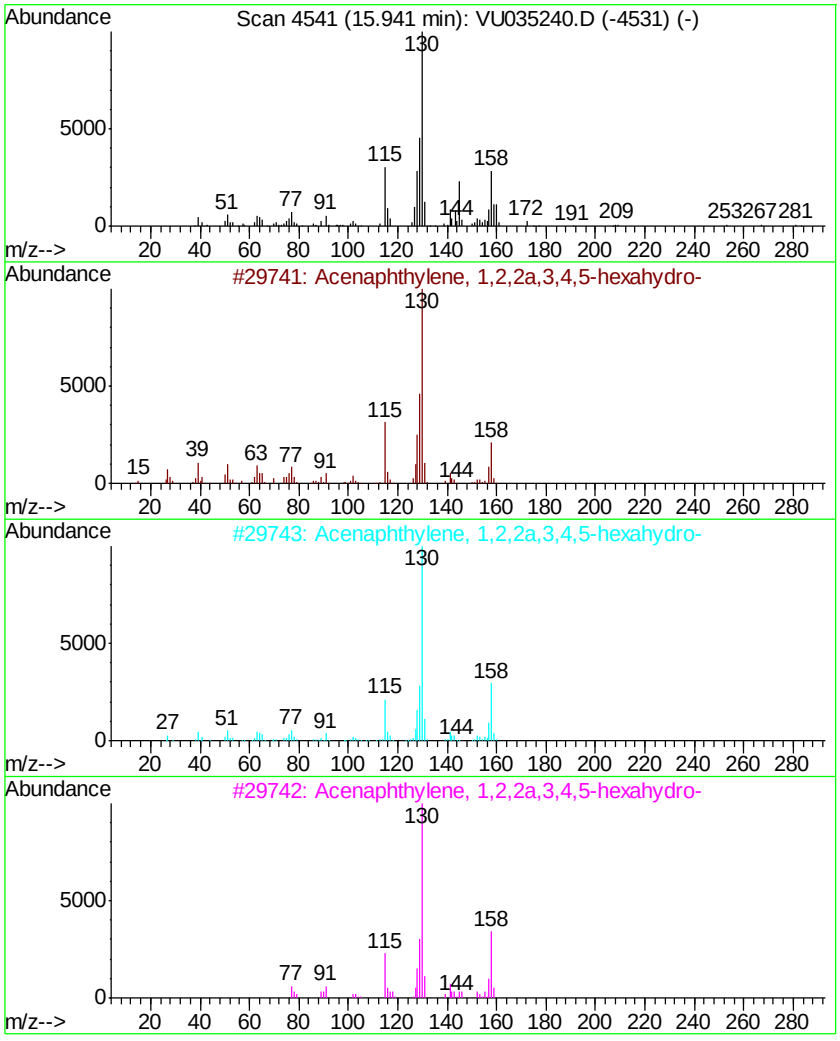
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

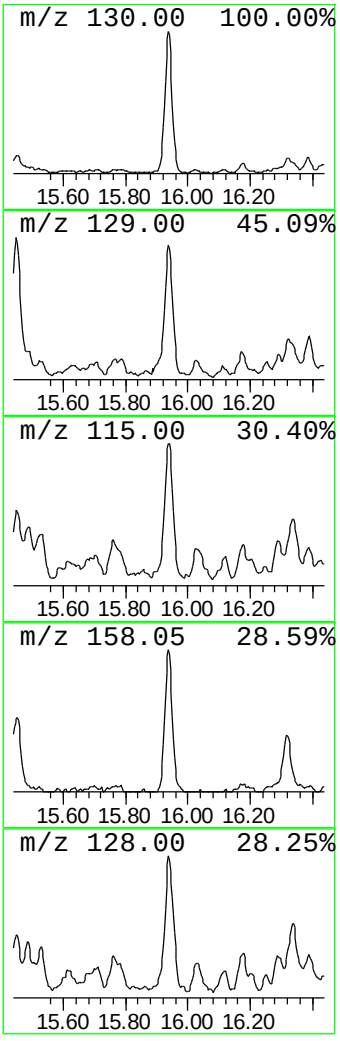
****

Peak Number 22 Acenaphthylene, 1,2,2a,3,4,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	1.26 ug/L	205140	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthylene, 1,2,2a,3,4,5-hex...	158	C12H14	000480-72-8	96
2	Acenaphthylene, 1,2,2a,3,4,5-hex...	158	C12H14	000480-72-8	62
3	Acenaphthylene, 1,2,2a,3,4,5-hex...	158	C12H14	000480-72-8	62
4	1,4-Ethanonaphthalen-2-ol, 1,2,3...	174	C12H14O	013153-77-0	59
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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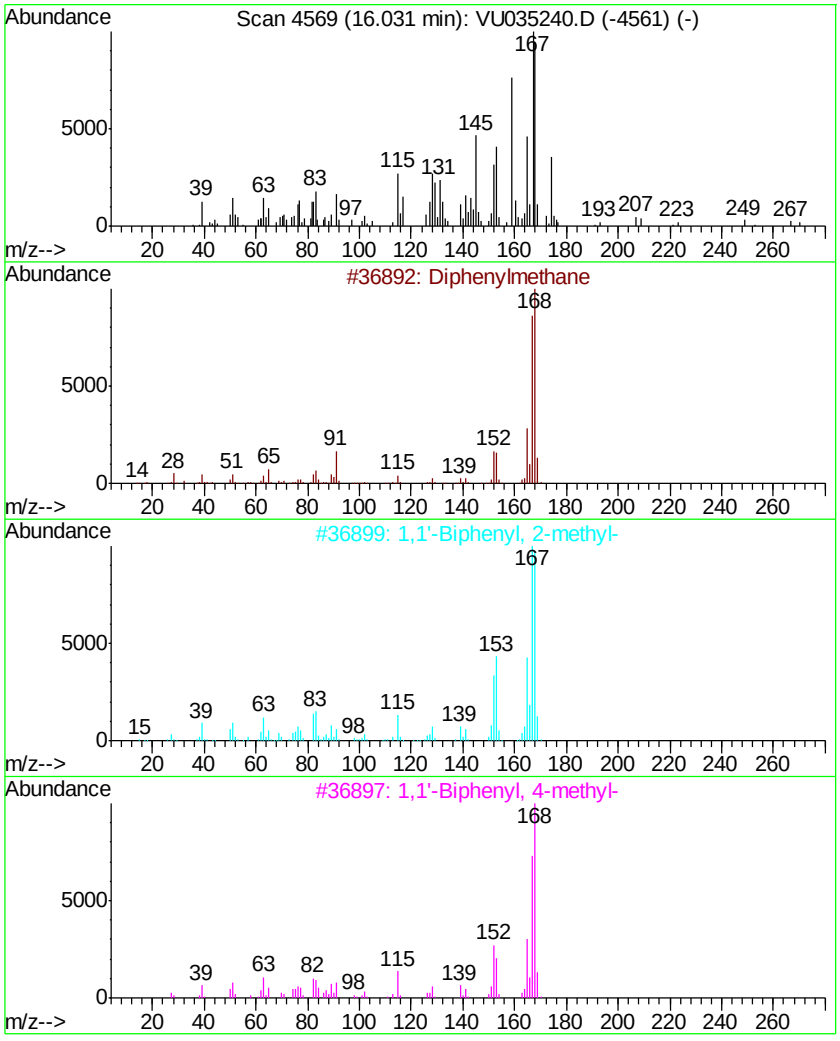
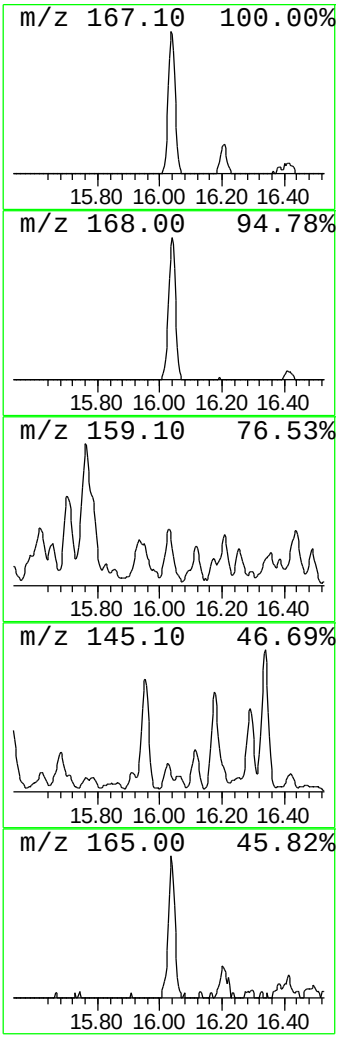
Peak Number 23 Diphenylmethane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	0.67 ug/L	109405	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	91
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	87
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	78
5	Diphenylmethane	168	C13H12	000101-81-5	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

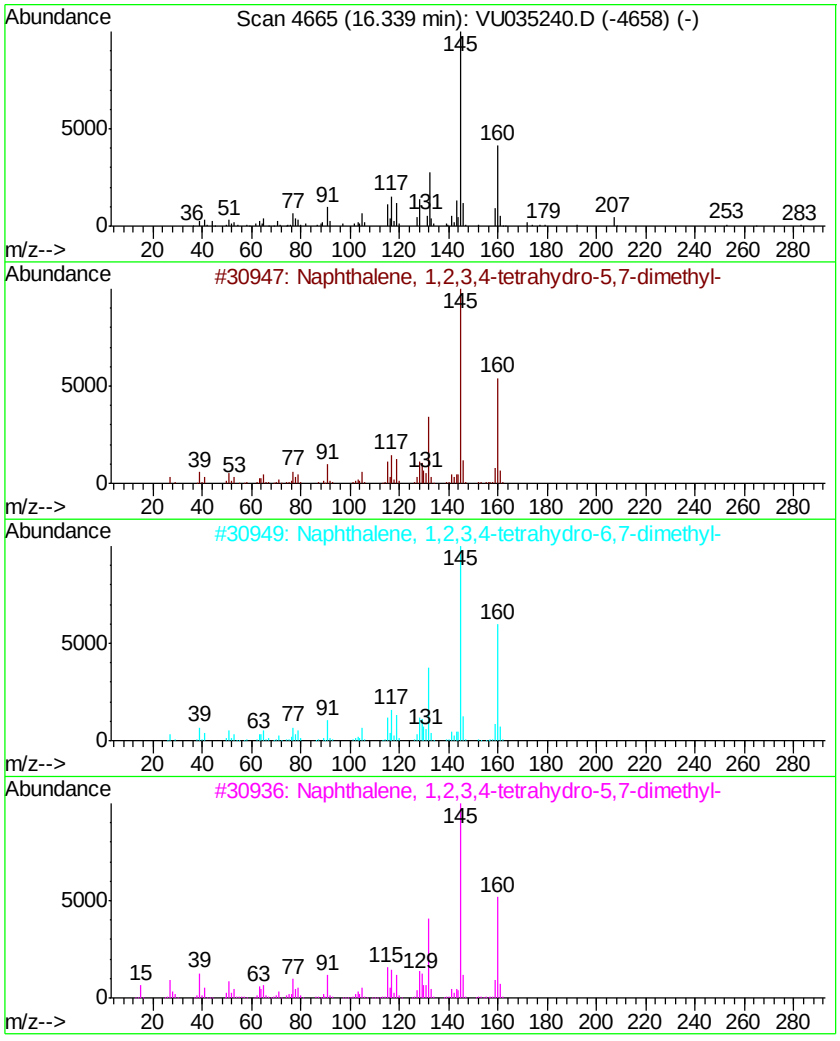
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

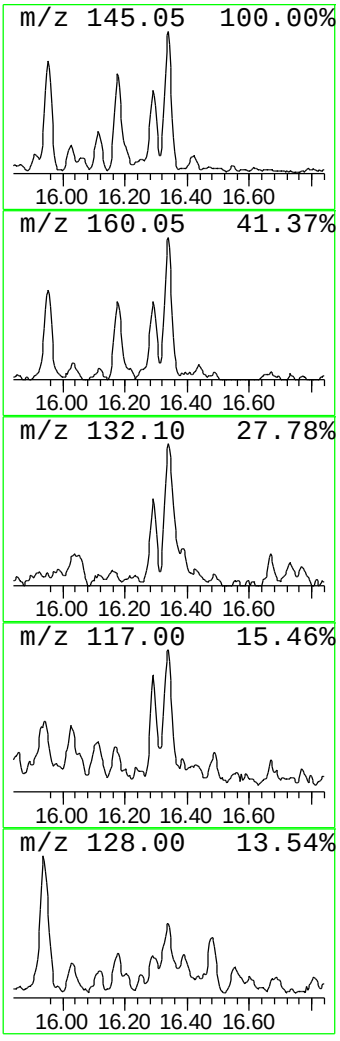
****

Peak Number 24 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	0.59 ug/L	96168	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	96
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	94
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	94
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035240.D
Acq On : 18 Oct 2019 03:43
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.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
Aluminum, tripropyl-	1.37	2.6	ug/L	412673	1	6.29	795850	5.0
(DEL) Alkane: Cyc...	1.75	0.8	ug/L	131292	1	6.29	795850	5.0
(DEL) Alkane: Cyc...	2.24	1.5	ug/L	239570	1	6.29	795850	5.0
Benzene, propyl-	10.93	0.7	ug/L	108237	3	11.84	816425	5.0
Benzene, 1-methyl...	12.40	0.8	ug/L	139031	3	11.84	816425	5.0
Benzene, 1-etheny...	12.71	1.1	ug/L	176859	3	11.84	816425	5.0
Benzene, 1,2,4,5-...	13.00	1.1	ug/L	172957	3	11.84	816425	5.0
Naphthalene, 1,2,...	14.22	4.3	ug/L	704028	3	11.84	816425	5.0
Naphthalene, 1,2,...	14.31	5.1	ug/L	830888	3	11.84	816425	5.0
1H-Indene, 2,3-di...	14.69	0.8	ug/L	138209	3	11.84	816425	5.0
Benzene, 1-(1-met...	14.83	1.4	ug/L	234249	3	11.84	816425	5.0
Naphthalene, 1,2,...	14.97	0.6	ug/L	90383	3	11.84	816425	5.0
Benzene, 4-(2-but...	15.48	0.6	ug/L	92311	3	11.84	816425	5.0
Naphthalene, 1,2,...	15.53	0.5	ug/L	84147	3	11.84	816425	5.0
Benzene, 2-(2-but...	15.76	0.7	ug/L	107242	3	11.84	816425	5.0
Acenaphthylene, 1...	15.94	1.3	ug/L	205140	3	11.84	816425	5.0
Diphenylmethane	16.03	0.7	ug/L	109405	3	11.84	816425	5.0
Naphthalene, 1,2,...	16.34	0.6	ug/L	96168	3	11.84	816425	5.0