LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
Data File : VU035252.D
Acq On : 18 Oct 2019 08:24
Operator : JC/SP
Sample : K5419-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G23

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	1.617	76	86	98	rBV2	166111	205797	17.87%	1.649%
2	1.707	108	114	121	rBV	25642	29279	2.54%	0.235%
3	1.935	178	185	197	rVB	128702	166232	14.43%	1.332%
4	2.597	380	391	407	rBV	230381	376455	32.68%	3.017%
5	3.395	626	639	653	rBV2	17778	37446	3.25%	0.300%
6	4.022	823	834	847	rBV3	9662	22012	1.91%	0.176%
7	4.137	855	870	886	rVB6	5609	12860	1.12%	0.103%
8	4.382	933	946	960	rBV4	11085	26039	2.26%	0.209%
9	4.710	1035	1048	1070	rBV	165630	414254	35.97%	3.319%
10	5.115	1158	1174	1202	rBV	186250	443851	38.54%	3.557%
11	5.430	1259	1272	1282	rBV4	7152	16836	1.46%	0.135%
12	5.771	1358	1378	1408	rBV2	411030	1067392	92.67%	8.553%
13	5.931	1423	1428	1442	rVB6	11293	24048	2.09%	0.193%
14	6.295	1524	1541	1561	rBV	373480	812521	70.54%	6.511%
15	6.501	1597	1605	1618	rVB6	6300	12946	1.12%	0.104%
16	6.594	1622	1634	1636	rBV7	14106	23042	2.00%	0.185%
17	6.735	1665	1678	1706	rVV2	244086	498682	43.30%	3.996%
18	7.195	1811	1821	1826	rBV7	9772	18531	1.61%	0.148%
19	7.417	1878	1890	1901	rBV10	6905	15524	1.35%	0.124%
20	7.607	1932	1949	1967	rBV2	136997	278975	24.22%	2.235%
21	7.793	2000	2007	2018	rVB8	7652	14152	1.23%	0.113%
22	7.935	2031	2051	2068	rBV	511301	934994	81.18%	7.492%
23	8.073	2087	2094	2102	rVB6	7338	11757	1.02%	0.094%
24	8.218	2128	2139	2150	rBV2	77731	140677	12.21%	1.127%
25	8.275	2153	2157	2171	rVB7	16090	30801	2.67%	0.247%
26	8.443	2200	2209	2220	rVB	42561	71503	6.21%	0.573%
27	8.626	2259	2266	2274	rBV6	7493	12946	1.12%	0.104%
28	8.693	2274	2287	2319	rBV	346084	1151786	100.00%	9.229%
29	9.108	2401	2416	2426	rBV5	23650	45924	3.99%	0.368%
30	9.452	2506	2523	2546	rBV	488724	949941	82.48%	7.612%
31	9.603	2563	2570	2586	rVB2	22631	46403	4.03%	0.372%
32	9.722	2597	2607	2620	rVB8	25792	57920	5.03%	0.464%
33	9.918	2654	2668	2681	rVB8	7451	20958	1.82%	0.168%
34	10.053	2694	2710	2716	rBV8	10960	25099	2.18%	0.201%

LSC Area Percent Report

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Operator : JC/SP
Sample : K5419-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G23

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	10.301	2764	2787	2789	rBV10	11753	29642	2.57%	0.238%
36	10.398	2810	2817	2830	rVB8	9693	19559	1.70%	0.157%
37	10.513	2844	2853	2859	rBV8	9029	14465	1.26%	0.116%
38	10.552	2859	2865	2871	rVV5	10527	16963	1.47%	0.136%
39	10.590	2872	2877	2888	rVB3	12575	19250	1.67%	0.154%
40	10.722	2911	2918	2927	rVB6	15661	26811	2.33%	0.215%
41	10.790	2927	2939	2963	rBV	183618	331208	28.76%	2.654%
42	11.446	3135	3143	3151	rBV2	12405	19964	1.73%	0.160%
43	11.632	3194	3201	3206	rVV9	6920	12292	1.07%	0.098%
44	11.671	3208	3213	3223	rVB4	12751	19060	1.65%	0.153%
45	11.844	3254	3267	3289	rVB	422901	802641	69.69%	6.432%
46	12.034	3318	3326	3338	rVB2	20902	35248	3.06%	0.282%
47	12.221	3370	3384	3402	rBV2	509247	1011540	87.82%	8.106%
48	12.574	3482	3494	3509	rVB2	9546	24392	2.12%	0.195%
49	12.655	3510	3519	3527	rVV6	11090	21610	1.88%	0.173%
50	12.700	3529	3533	3542	rVV7	9282	16942	1.47%	0.136%
51	12.751	3543	3549	3552	rVV2	8661	12442	1.08%	0.100%
52	12.790	3552	3561	3571	rVB	58679	95970	8.33%	0.769%
53	12.889	3574	3592	3607	rVV2	84027	151536	13.16%	1.214%
54	12.967	3608	3616	3624	rVV4	19329	33813	2.94%	0.271%
55	13.012	3624	3630	3638	rVV3	17299	28373	2.46%	0.227%
56	13.143	3660	3671	3685	rVB	117584	188350	16.35%	1.509%
57	13.275	3690	3712	3724	rBV2	98805	221208	19.21%	1.773%
58	13.352	3724	3736	3748	rBV	240885	380298	33.02%	3.047%
59	13.420	3749	3757	3770	rBV2	21555	35627	3.09%	0.285%
60	13.552	3788	3798	3810	rVV3	68206	115919	10.06%	0.929%
61	13.655	3823	3830	3842	rVB5	18947	33343	2.89%	0.267%
62	13.815	3868	3880	3888	rBV2	34306	58635	5.09%	0.470%
63	13.860	3888	3894	3899	rVV2	15805	22901	1.99%	0.184%
64	13.909	3900	3909	3924	rVB2	118526	198090	17.20%	1.587%
65	14.143	3961	3982	3997	rBV4	35636	110352	9.58%	0.884%
66	14.217	3997	4005	4016	rVB7	19649	36689	3.19%	0.294%
67	14.311	4016	4034	4045	rBV2	57831	110973	9.63%	0.889%
68	14.372	4045	4053	4067	rVB3	30534	49098	4.26%	0.393%
69	14.735	4155	4166	4178	rVB6	8177	20235	1.76%	0.162%
70	14.831	4188	4196	4205	rBV10	10689	19614	1.70%	0.157%
71	14.902	4210	4218	4229	rVB2	26678	46447	4.03%	0.372%

LSC Area Percent Report

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Acq On : 18 Oct 2019 08:24
Operator : JC/SP
Sample : K5419-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G23

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	15.053	4254	4265	4274	rBV4	15616	28860	2.51%	0.231%
73	15.301	4335	4342	4349	rBV5	10213	13127	1.14%	0.105%
74	15.446	4376	4387	4398	rVB6	13961	28492	2.47%	0.228%

Sum of corrected areas: 12479562

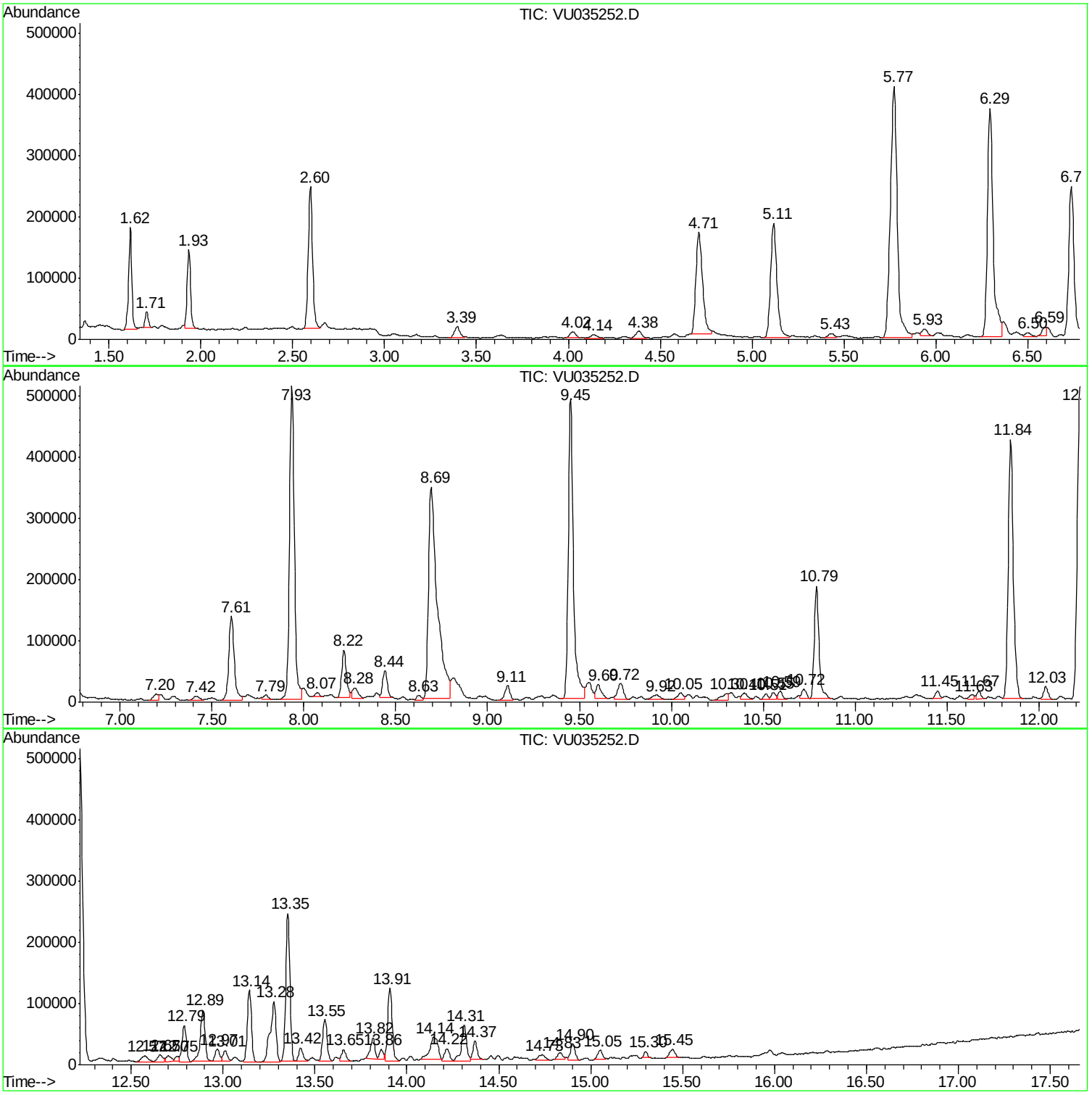
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
Data File : VU035252.D
Acq On : 18 Oct 2019 08:24
Operator : JC/SP
Sample : K5419-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G23

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 : VU035252.D
Acq On : 18 Oct 2019 08:24
Operator : JC/SP
Sample : K5419-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G23

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

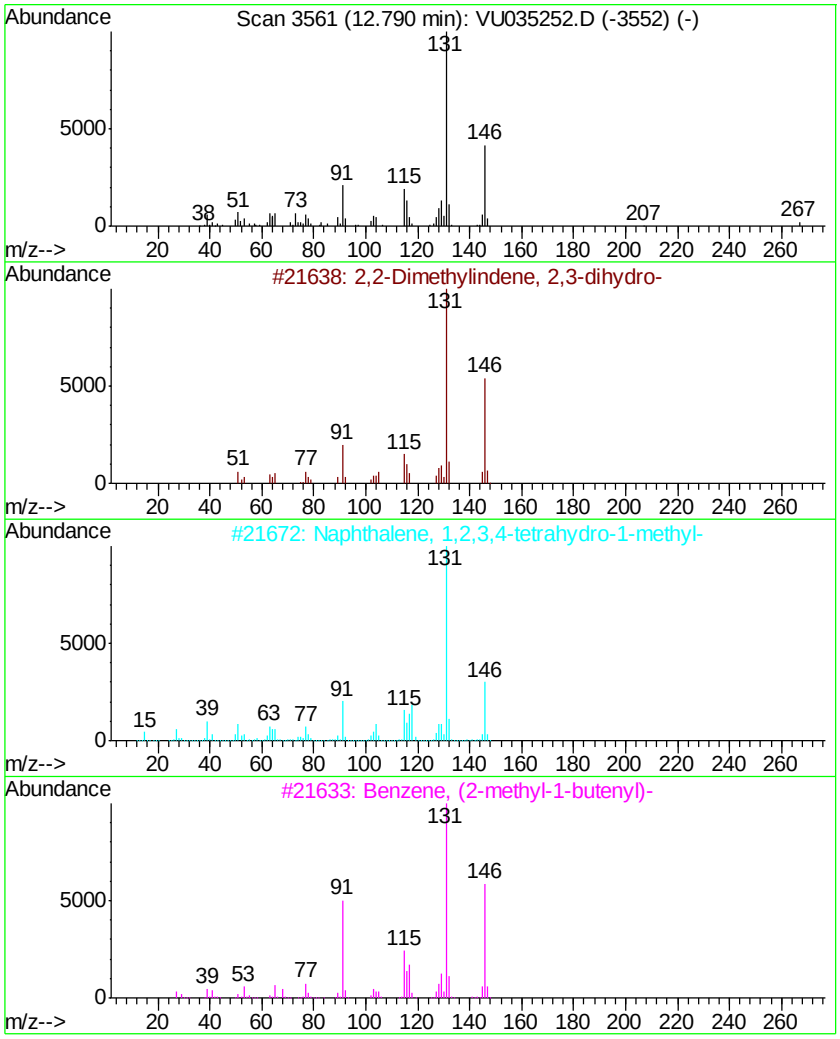
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

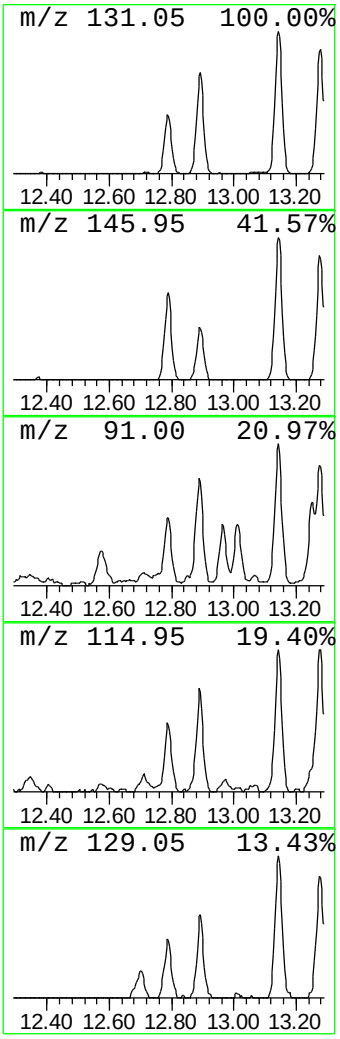
****

Peak Number 2 2,2-Dimethylindene, 2,3-dih... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	0.60 ug/L	95970	1,4-Dichlorobenzene-d4	11.84

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035252.D
Acq On : 18 Oct 2019 08:24
Operator : JC/SP
Sample : K5419-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G23

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

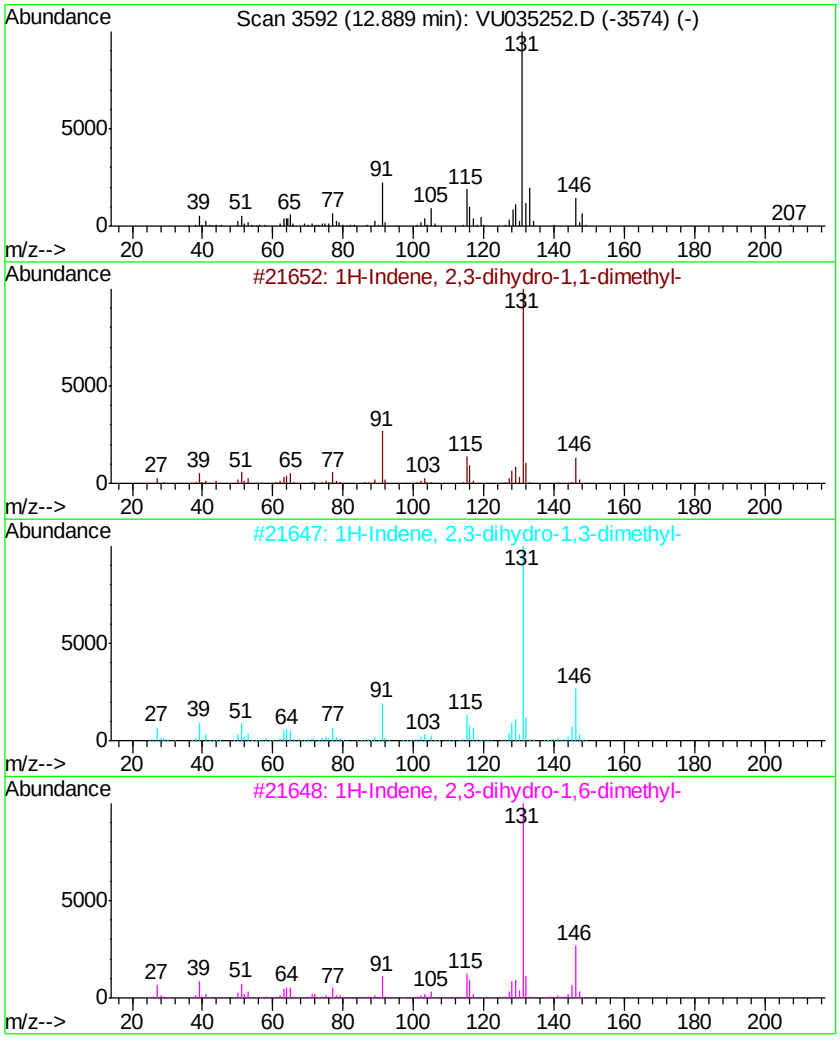
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

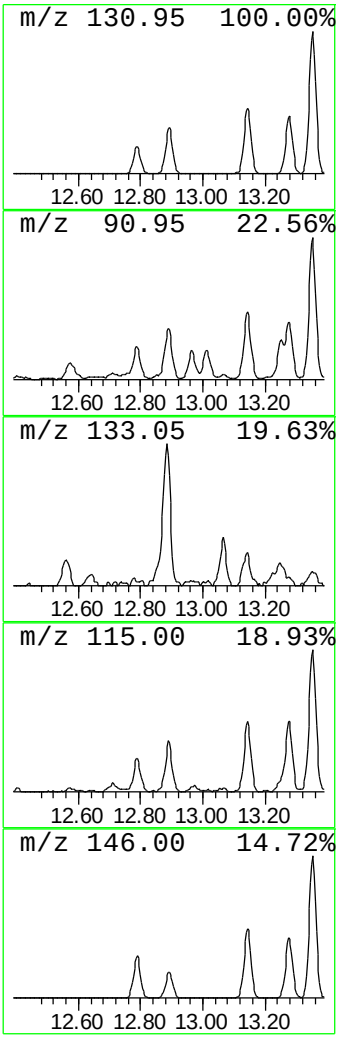
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	0.94 ug/L	151536	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	81
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	76
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035252.D
Acq On : 18 Oct 2019 08:24
Operator : JC/SP
Sample : K5419-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G23

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

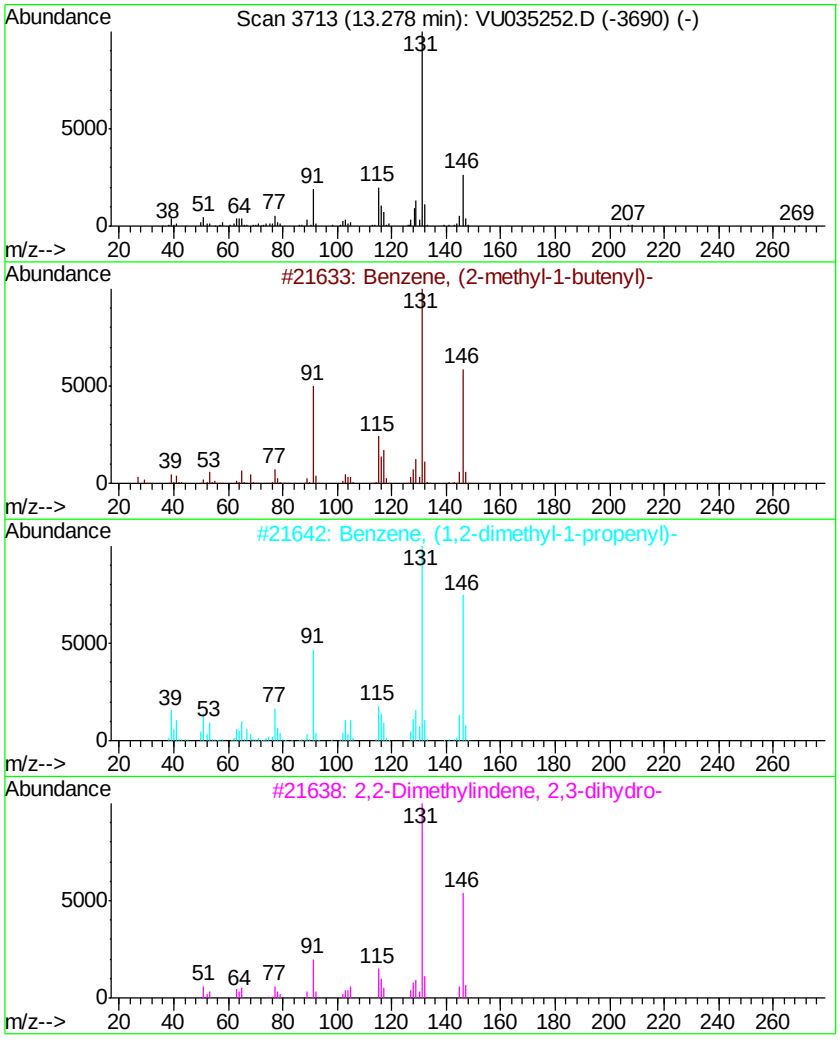
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

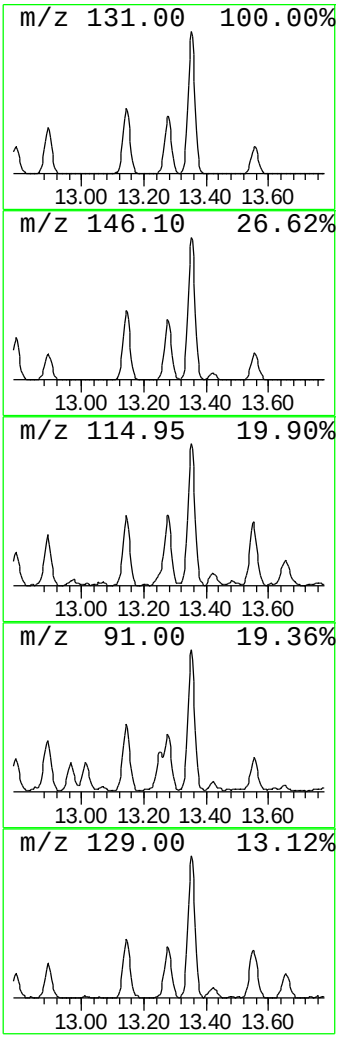
****

Peak Number 5 Benzene, (2-methyl-1-butenyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	1.38 ug/L	221208	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	94
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
Data File : VU035252.D
Acq On : 18 Oct 2019 08:24
Operator : JC/SP
Sample : K5419-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G23

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

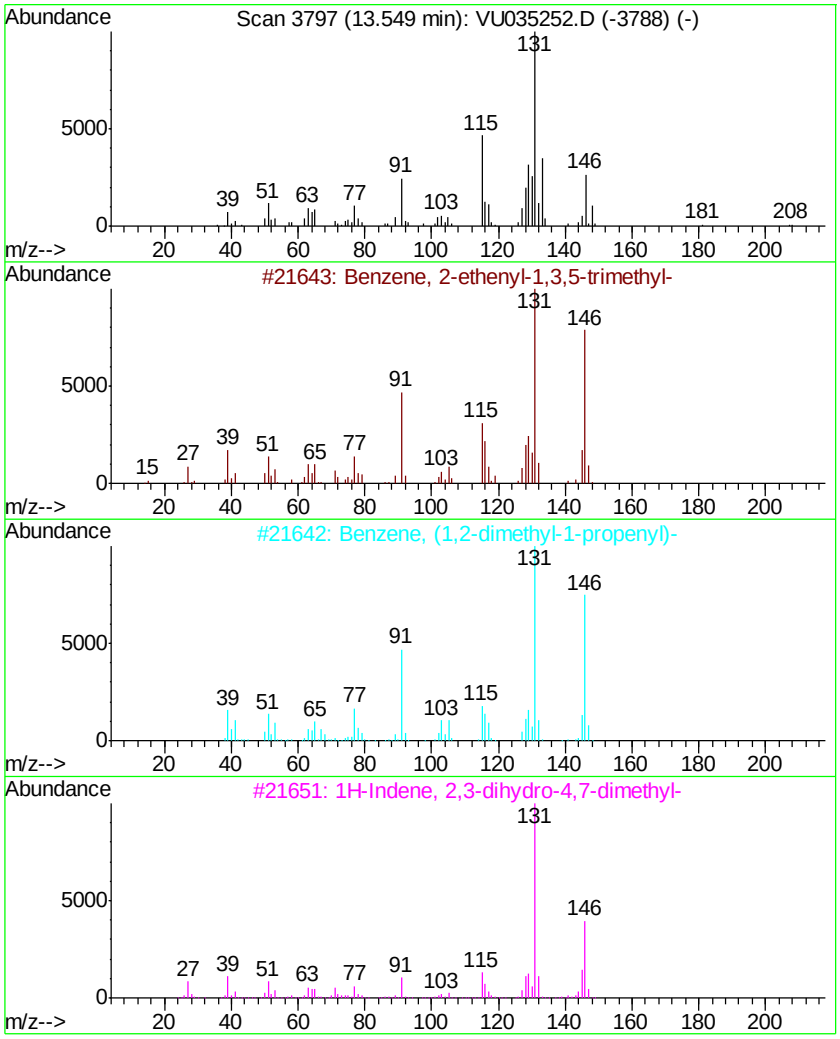
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

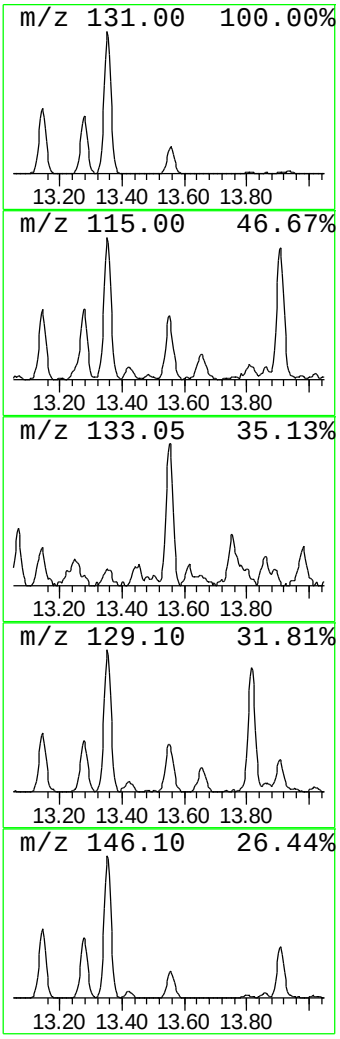
****

Peak Number 7 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	0.72 ug/L	115919	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	81
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	53
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035252.D
Acq On : 18 Oct 2019 08:24
Operator : JC/SP
Sample : K5419-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G23

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

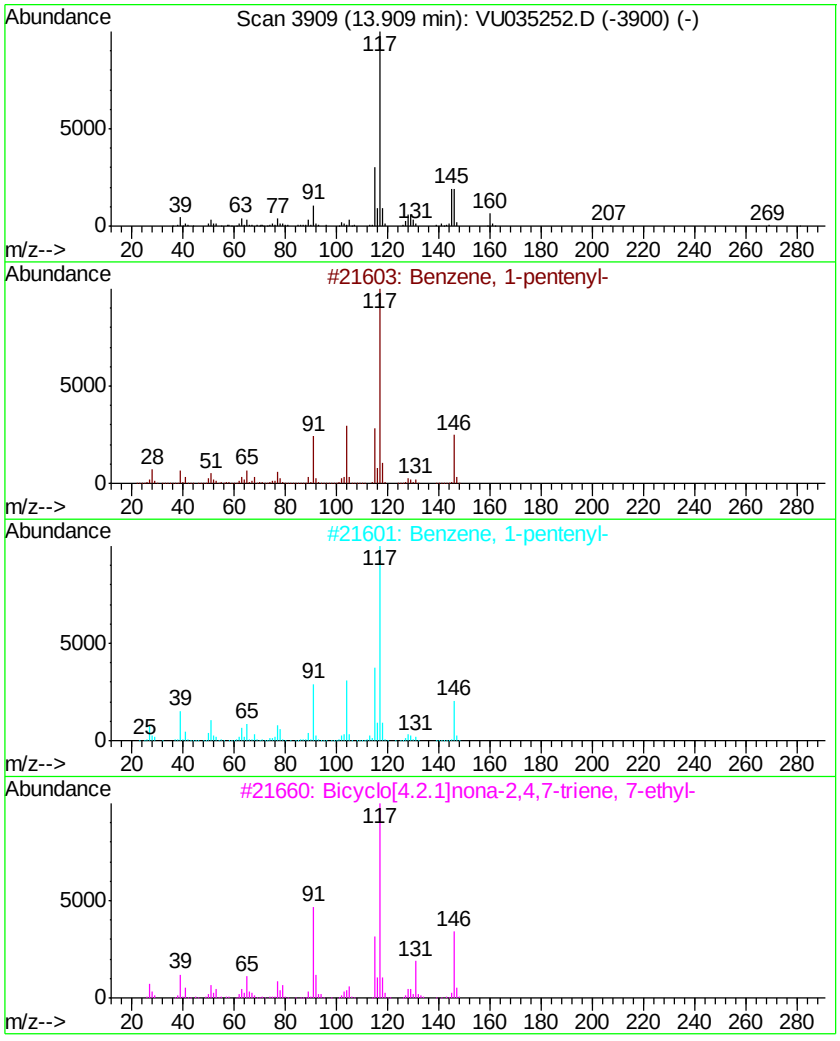
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

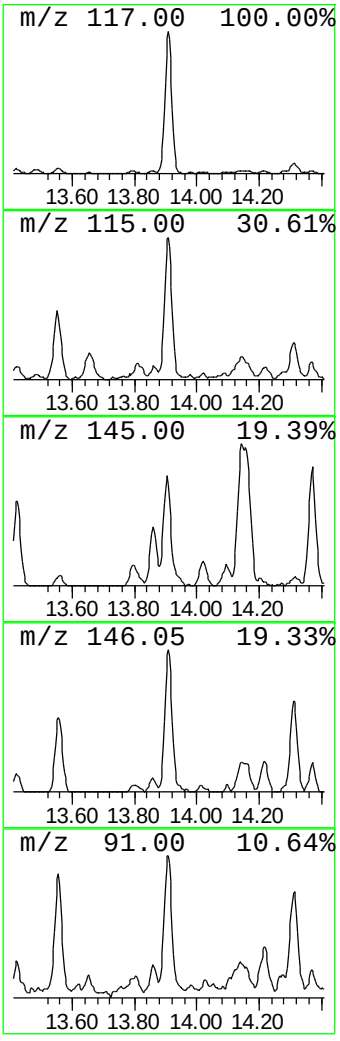
****

Peak Number 8 Benzene, 1-pentenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	1.23 ug/L	198090	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	72
2	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	72
3	Bicyclo[4.2.1]nona-2,4,7-triene,...	146	C11H14	1000164-42-6	64
4	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	64
5	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035252.D
Acq On : 18 Oct 2019 08:24
Operator : JC/SP
Sample : K5419-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G23

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

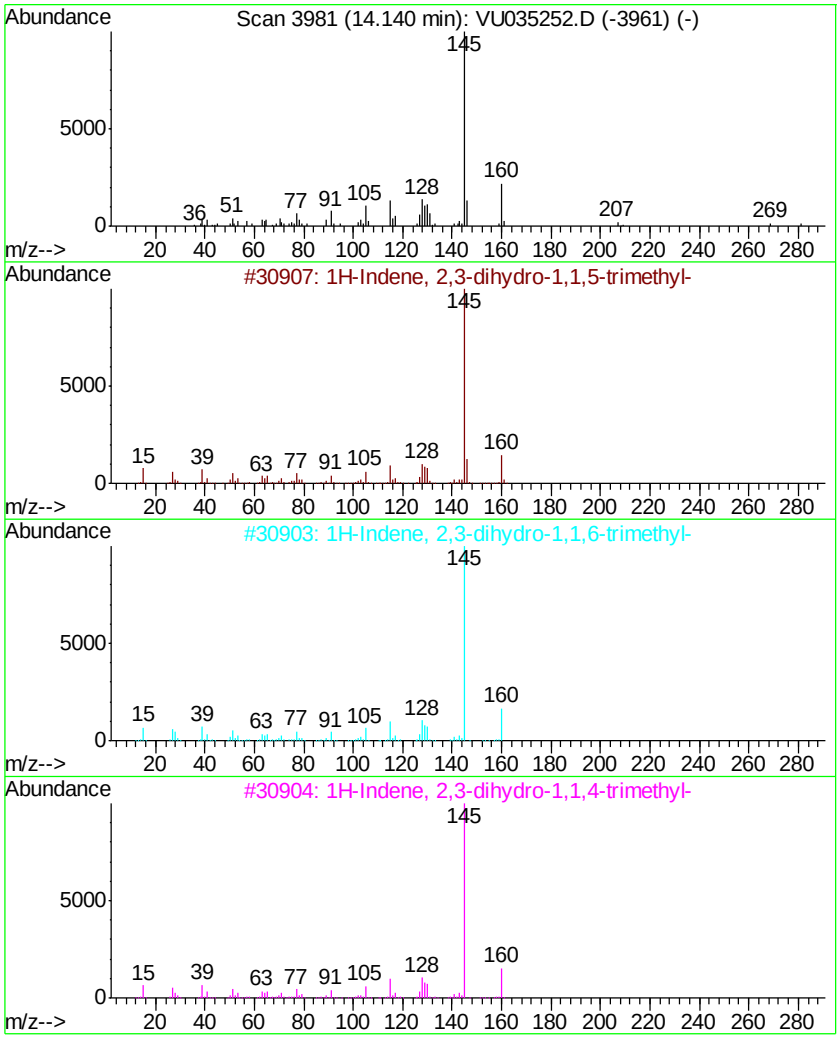
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

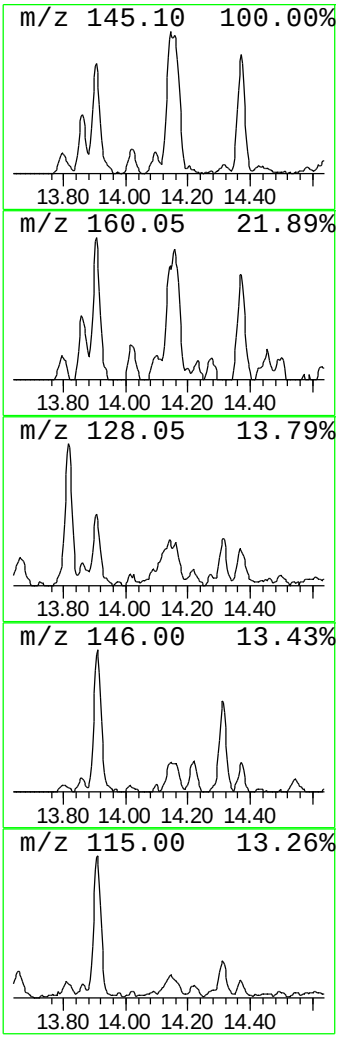
****

Peak Number 9 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	0.69 ug/L	110352	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	96
2	1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	94
3	1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	94
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	91
5	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035252.D
Acq On : 18 Oct 2019 08:24
Operator : JC/SP
Sample : K5419-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G23

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
2,2-Dimethylinden...	12.79	0.6	ug/L	95970	3	11.84	802641	5.0
1H-Indene, 2,3-di...	12.89	0.9	ug/L	151536	3	11.84	802641	5.0
Benzene, (2-methy...	13.28	1.4	ug/L	221208	3	11.84	802641	5.0
Benzene, 2-etheny...	13.55	0.7	ug/L	115919	3	11.84	802641	5.0
Benzene, 1-pentenyl-	13.91	1.2	ug/L	198090	3	11.84	802641	5.0
1H-Indene, 2,3-di...	14.14	0.7	ug/L	110352	3	11.84	802641	5.0