LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

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\SOMUTR070620WMA.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	1.491	37	47	72	rBV	63251	216030	27.03%	2.263%
2	1.607	74	83	95	rVB2	122088	166787	20.87%	1.747%
3	1.925	174	182	196	rVB	58728	78969	9.88%	0.827%
4	2.581	374	386	398	rBV	112494	183868	23.00%	1.926%
5	3.034	512	527	541	rBV4	11659	36589	4.58%	0.383%
6	3.375	619	633	652	rVB5	30805	68706	8.60%	0.720%
7	3.999	813	827	846	rVB3	17819	43744	5.47%	0.458%
8	4.112	848	862	876	rVV4	8191	20480	2.56%	0.215%
9	4.189	876	886	900	rVB4	4648	11060	1.38%	0.116%
10	4.356	924	938	956	rVV2	13852	30736	3.85%	0.322%
11	4.552	984	999	1014	rBV2	25976	62604	7.83%	0.656%
12	4.671	1014	1036	1071	rVV3	81533	332767	41.63%	3.486%
13	5.086	1149	1165	1178	rBV	95971	213063	26.66%	2.232%
14	5.407	1251	1265	1277	rBV3	19999	52828	6.61%	0.553%
15	5.478	1278	1287	1308	rVB6	19912	59441	7.44%	0.623%
16	5.610	1317	1328	1334	rBV3	5777	11616	1.45%	0.122%
17	5.655	1336	1342	1351	rVB3	6779	10626	1.33%	0.111%
18	5.742	1351	1369	1383	rBV2	201950	518360	64.86%	5.431%
19	5.867	1398	1408	1411	rBV3	10075	16683	2.09%	0.175%
20	5.912	1412	1422	1436	rVV2	49746	111865	14.00%	1.172%
21	5.986	1436	1445	1465	rVB5	12805	36036	4.51%	0.378%
22	6.150	1477	1496	1509	rBV8	7337	16956	2.12%	0.178%
23	6.266	1516	1532	1541	rBV	157246	307101	38.42%	3.218%
24	6.475	1587	1597	1611	rVB2	10779	20085	2.51%	0.210%
25	6.571	1614	1627	1644	rVB5	19440	42510	5.32%	0.445%
26	6.706	1656	1669	1679	rBV	126793	246910	30.89%	2.587%
27	7.086	1773	1787	1799	rVB3	12265	24133	3.02%	0.253%
28	7.173	1799	1814	1819	rBV5	36253	76550	9.58%	0.802%
29	7.263	1832	1842	1859	rVB7	18377	42938	5.37%	0.450%
30	7.394	1859	1883	1897	rBV8	36532	93920	11.75%	0.984%
31	7.578	1924	1940	1955	rBV2	70393	151797	18.99%	1.590%
32	7.771	1992	2000	2014	rVB6	12666	27754	3.47%	0.291%
33	7.906	2017	2042	2056	rBV	261290	492959	61.68%	5.165%
34	8.047	2072	2086	2094	rBV2	27980	61611	7.71%	0.646%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

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\SOMUTR070620WMA.M
Title : TRACE VOA SOM01.0

35	8.189	2117	2130	2139	rVB2	45886	87873	10.99%	0.921%
36	8.250	2139	2149	2164	rVB2	40053	75291	9.42%	0.789%
37	8.375	2164	2188	2193	rBV6	25176	59792	7.48%	0.626%
38	8.417	2193	2201	2211	rVB	98635	157842	19.75%	1.654%
39	8.597	2248	2257	2259	rBV5	9983	12023	1.50%	0.126%
40	8.642	2260	2271	2285	rVV	372082	665313	83.24%	6.971%
41	8.713	2285	2293	2301	rVB2	42820	71299	8.92%	0.747%
42	8.790	2310	2317	2323	rBV2	21456	33032	4.13%	0.346%
43	8.893	2337	2349	2354	rBV2	17809	30744	3.85%	0.322%
44	8.931	2354	2361	2366	rVV4	10155	15733	1.97%	0.165%
45	9.082	2393	2408	2421	rVB5	51107	99392	12.44%	1.041%
46	9.189	2425	2441	2451	rBV10	13737	37735	4.72%	0.395%
47	9.266	2452	2465	2474	rVB5	9447	25736	3.22%	0.270%
48	9.333	2475	2486	2498	rBV8	21792	41409	5.18%	0.434%
49	9.420	2499	2513	2523	rBV	226657	383730	48.01%	4.020%
50	9.693	2589	2598	2612	rVB4	48162	108455	13.57%	1.136%
51	9.889	2651	2659	2675	rVB7	15661	41599	5.20%	0.436%
52	10.028	2685	2702	2709	rBV8	20326	45317	5.67%	0.475%
53	10.143	2725	2738	2755	rVB8	9106	30187	3.78%	0.316%
54	10.237	2756	2767	2769	rBV7	11242	17944	2.25%	0.188%
55	10.272	2771	2778	2793	rVB8	16593	40836	5.11%	0.428%
56	10.375	2802	2810	2822	rVB9	15277	30035	3.76%	0.315%
57	10.478	2835	2842	2849	rBV6	8836	15416	1.93%	0.162%
58	10.529	2851	2858	2864	rBV5	15724	25352	3.17%	0.266%
59	10.693	2902	2909	2919	rVB4	25628	42322	5.30%	0.443%
60	10.758	2919	2929	2940	rVV	107349	179557	22.47%	1.881%
61	10.815	2941	2947	2954	rVB9	7420	10574	1.32%	0.111%
62	10.889	2963	2970	2981	rVB5	15216	26612	3.33%	0.279%
63	11.015	3001	3009	3020	rBV9	7265	13771	1.72%	0.144%
64	11.414	3117	3133	3144	rBV4	19846	39763	4.98%	0.417%
65	11.539	3165	3172	3179	rVB4	11085	16264	2.03%	0.170%
66	11.603	3182	3192	3197	rVV6	16271	27625	3.46%	0.289%
67	11.639	3198	3203	3212	rVB5	16947	25148	3.15%	0.263%
68	11.741	3229	3235	3244	rBV5	6707	10692	1.34%	0.112%
69	11.809	3244	3256	3270	rVB	236272	393281	49.21%	4.121%
70	12.002	3308	3316	3325	rVB2	17407	27458	3.44%	0.288%
71	12.182	3360	3372	3393	rVB3	445714	799255	100.00%	8.374%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

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\SOMUTR070620WMA.M
Title : TRACE VOA SOM01.0

72	12.542	3472	3484	3495	rVB8	11637	28405	3.55%	0.298%
73	12.629	3496	3511	3523	rBV10	20076	48742	6.10%	0.511%
74	12.716	3531	3538	3541	rBV3	10151	13168	1.65%	0.138%
75	12.751	3541	3549	3564	rVB	70791	112926	14.13%	1.183%
76	12.854	3564	3581	3594	rBV4	87390	160914	20.13%	1.686%
77	12.931	3596	3605	3612	rBV4	25304	40982	5.13%	0.429%
78	12.976	3612	3619	3630	rVB2	24000	39437	4.93%	0.413%
79	13.108	3650	3660	3674	rVB	92440	147560	18.46%	1.546%
80	13.214	3680	3693	3699	rBV	76623	127800	15.99%	1.339%
81	13.317	3713	3725	3737	rVB	204571	317855	39.77%	3.330%
82	13.388	3737	3747	3759	rBV2	21030	37716	4.72%	0.395%
83	13.520	3777	3788	3800	rVB5	55256	93121	11.65%	0.976%
84	13.619	3813	3819	3835	rVB5	14764	28262	3.54%	0.296%
85	13.780	3853	3869	3876	rBV3	28736	60448	7.56%	0.633%
86	13.825	3876	3883	3889	rVV2	20180	32153	4.02%	0.337%
87	13.873	3889	3898	3912	rVB2	125689	206680	25.86%	2.165%
88	13.986	3926	3933	3940	rBV2	9446	13800	1.73%	0.145%
89	14.066	3949	3958	3960	rBV6	8611	11197	1.40%	0.117%
90	14.111	3965	3972	3985	rVB4	33415	79256	9.92%	0.830%
91	14.246	4005	4014	4016	rBV5	10558	14789	1.85%	0.155%
92	14.278	4017	4024	4033	rVV4	29431	51435	6.44%	0.539%
93	14.336	4035	4042	4054	rVB2	29332	47319	5.92%	0.496%
94	14.458	4075	4080	4089	rVB4	10658	15402	1.93%	0.161%
95	14.693	4140	4153	4170	rVB6	9478	26919	3.37%	0.282%
96	14.799	4170	4186	4194	rBV10	14746	29614	3.71%	0.310%
97	14.867	4200	4207	4220	rVB5	22698	38302	4.79%	0.401%
98	15.021	4245	4255	4265	rBV3	9245	16591	2.08%	0.174%
99	15.262	4320	4330	4342	rVB7	11100	20044	2.51%	0.210%
100	15.417	4360	4378	4388	rBV4	14118	31124	3.89%	0.326%

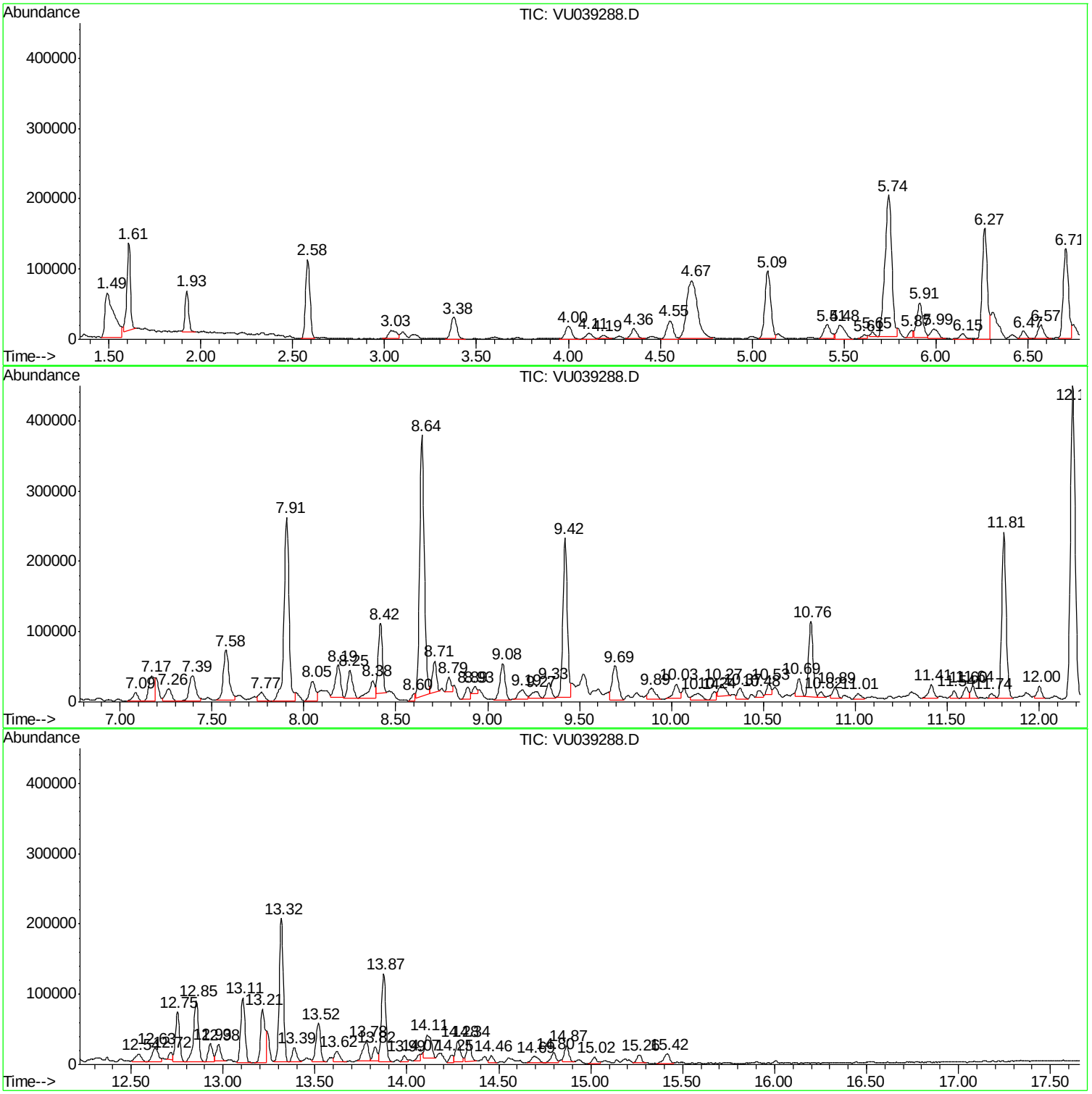
Sum of corrected areas: 9544450

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.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\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

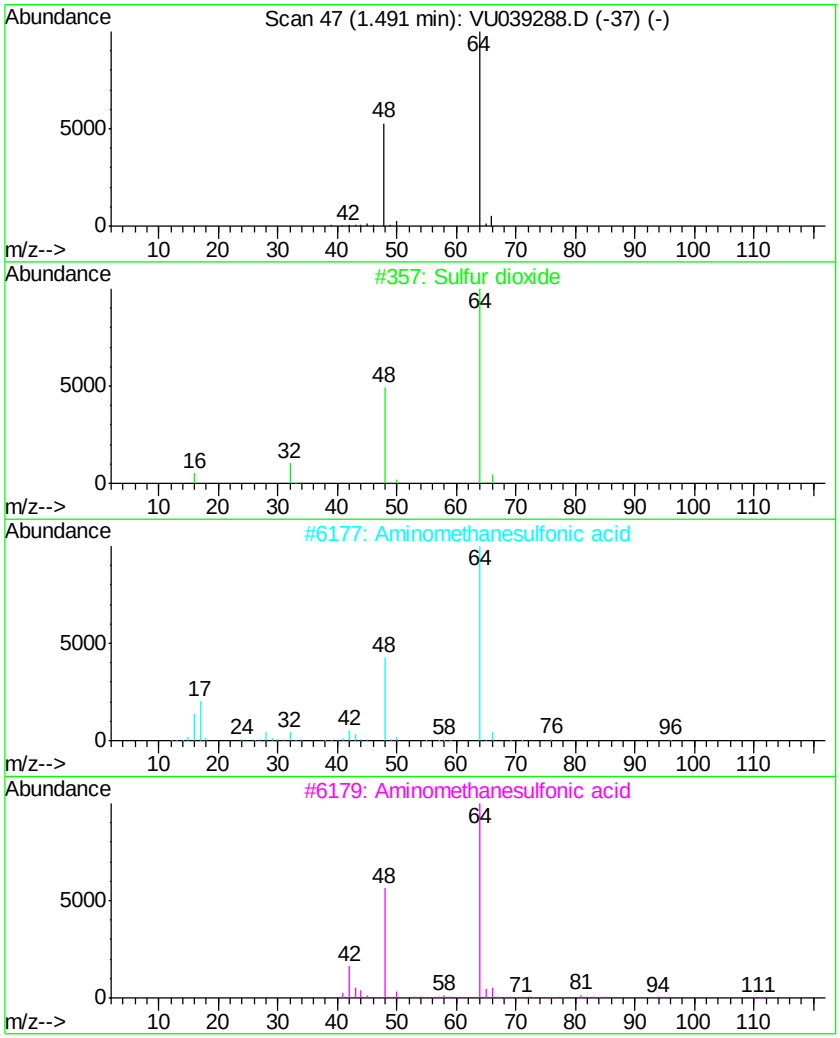
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

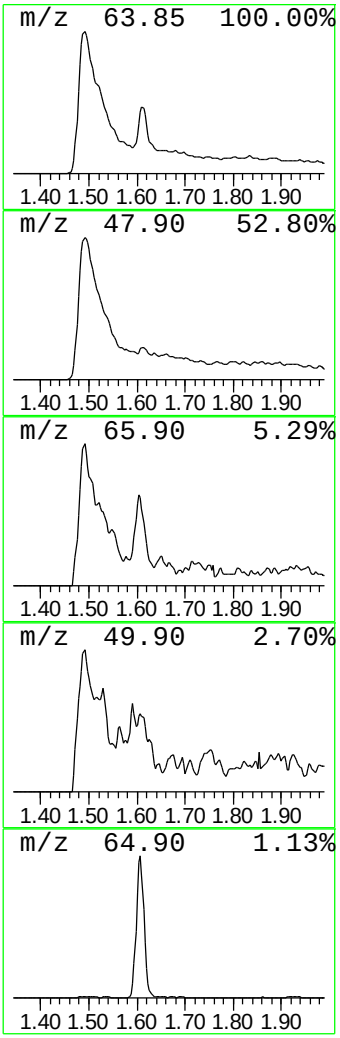
****

Peak Number 1 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.49	3.52 ug/L	216030	1,4-Difluorobenzene	6.27

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	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	25
5	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

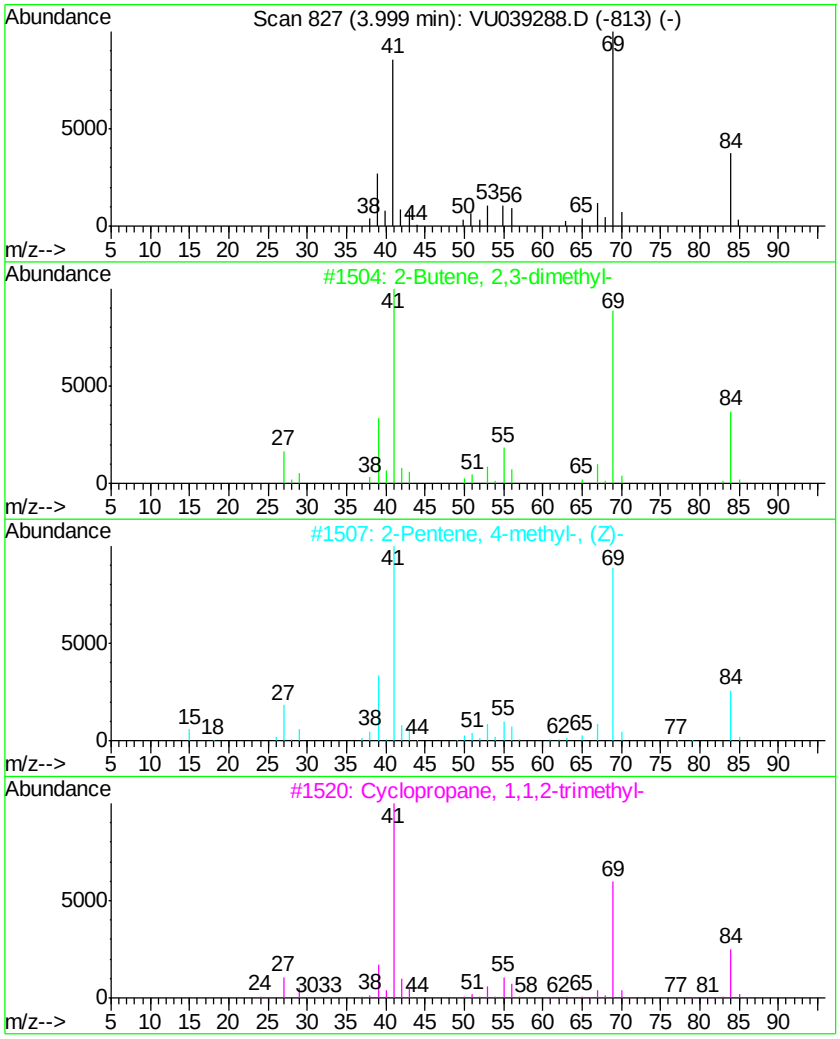
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

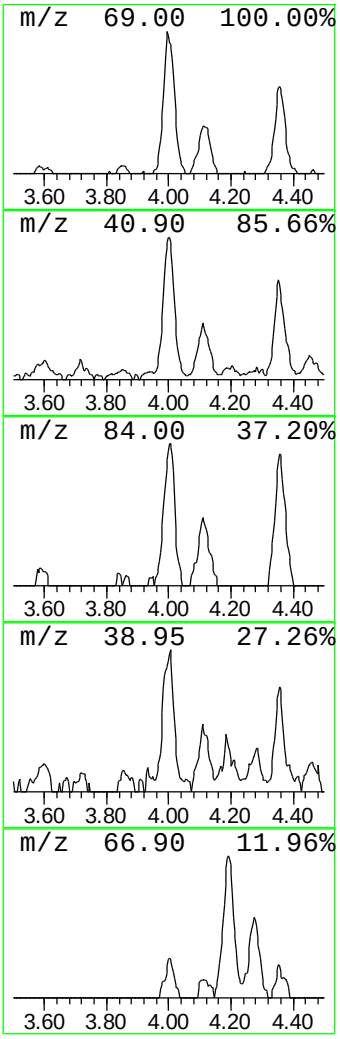
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.00	0.71 ug/L	43744	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
2	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	91
3	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	91
4	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	91
5	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

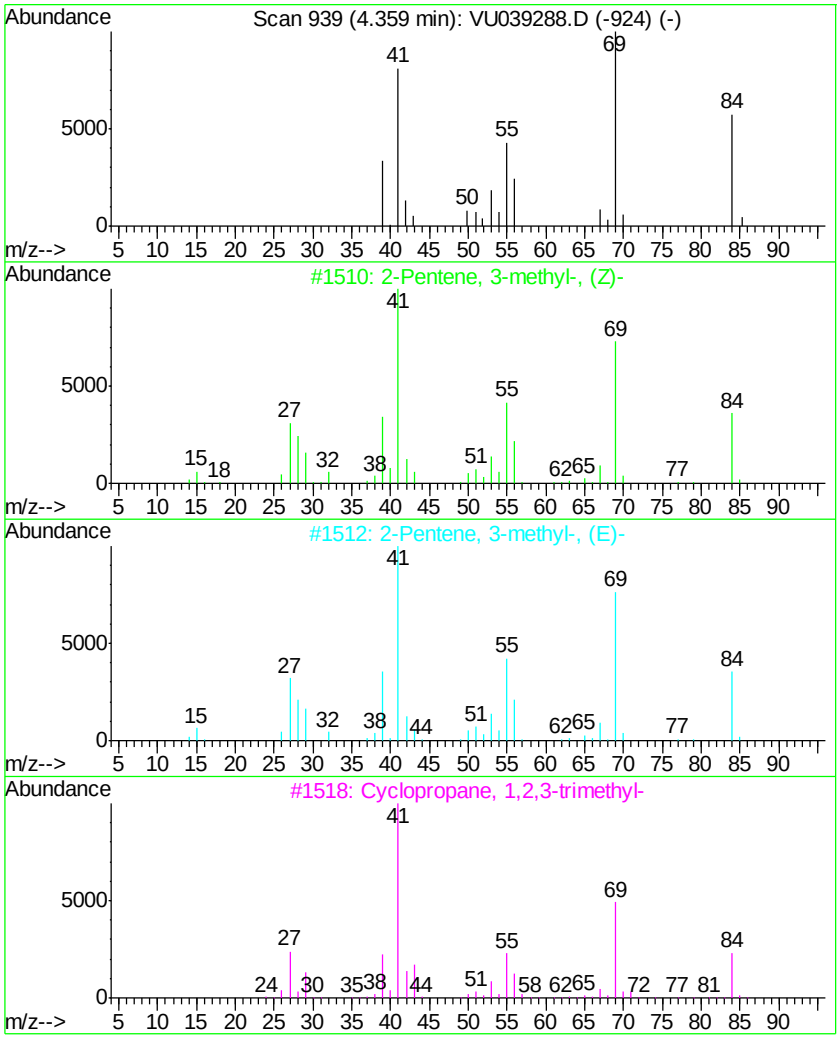
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

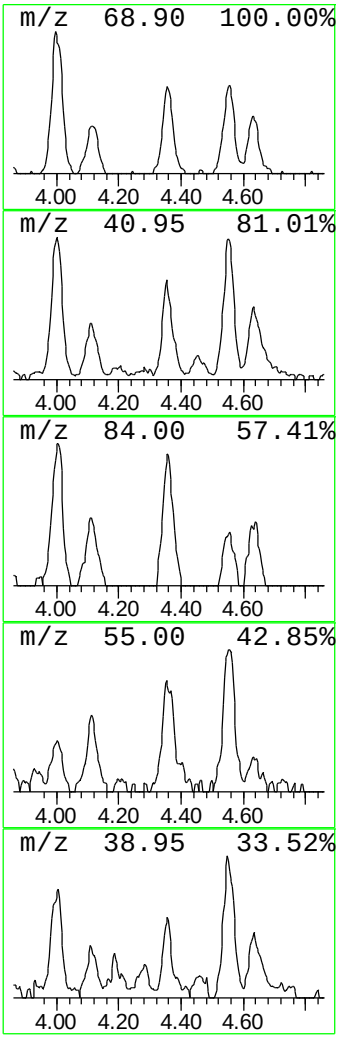
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.36	0.50 ug/L	30736	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	94
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
3	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	90
4	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	90
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

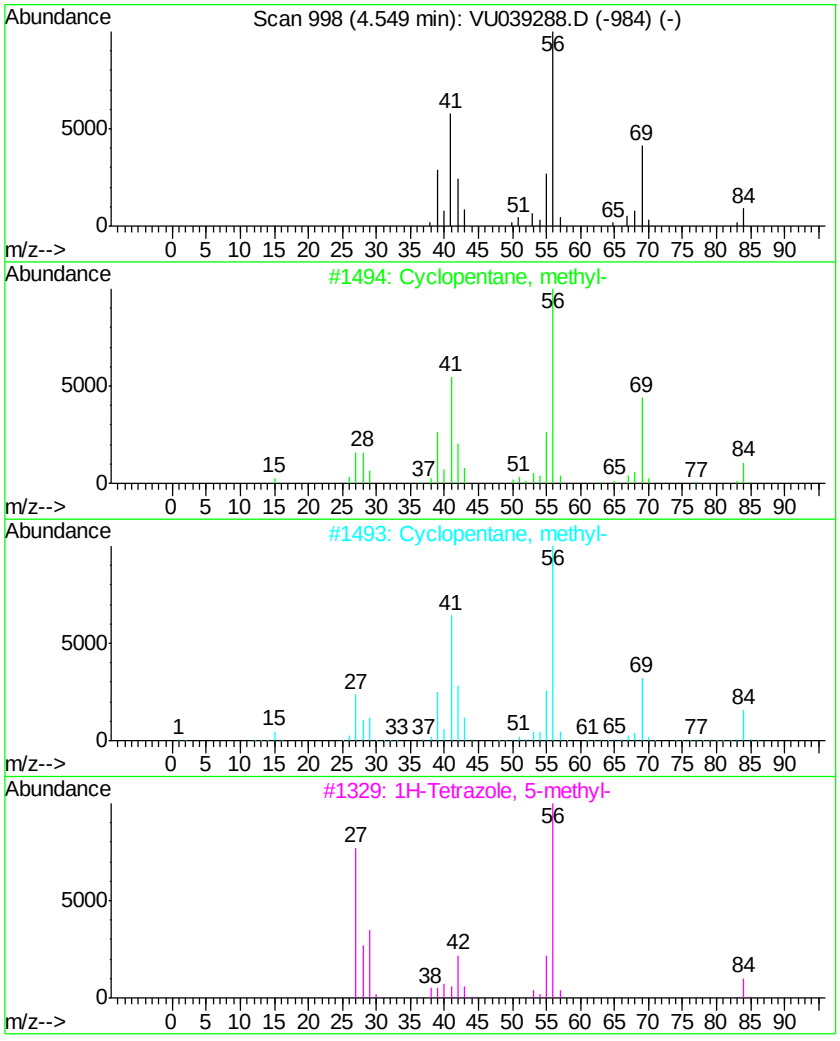
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

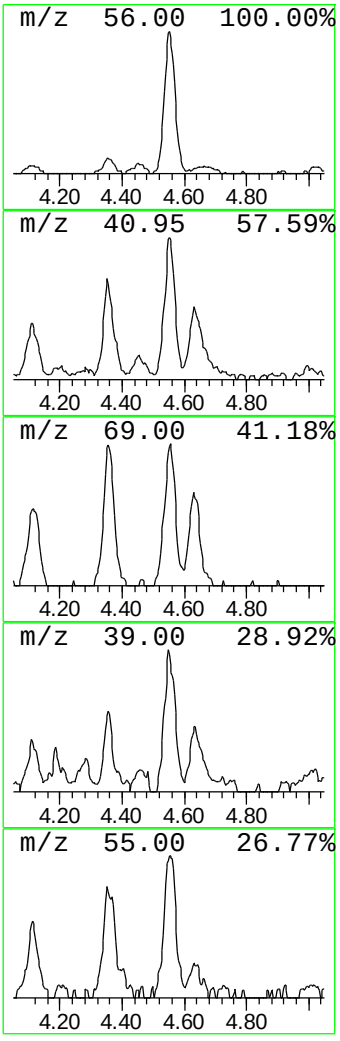
****

Peak Number 4 (DEL) Alkane: Cyclic4.55 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.55	1.02 ug/L	62604	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

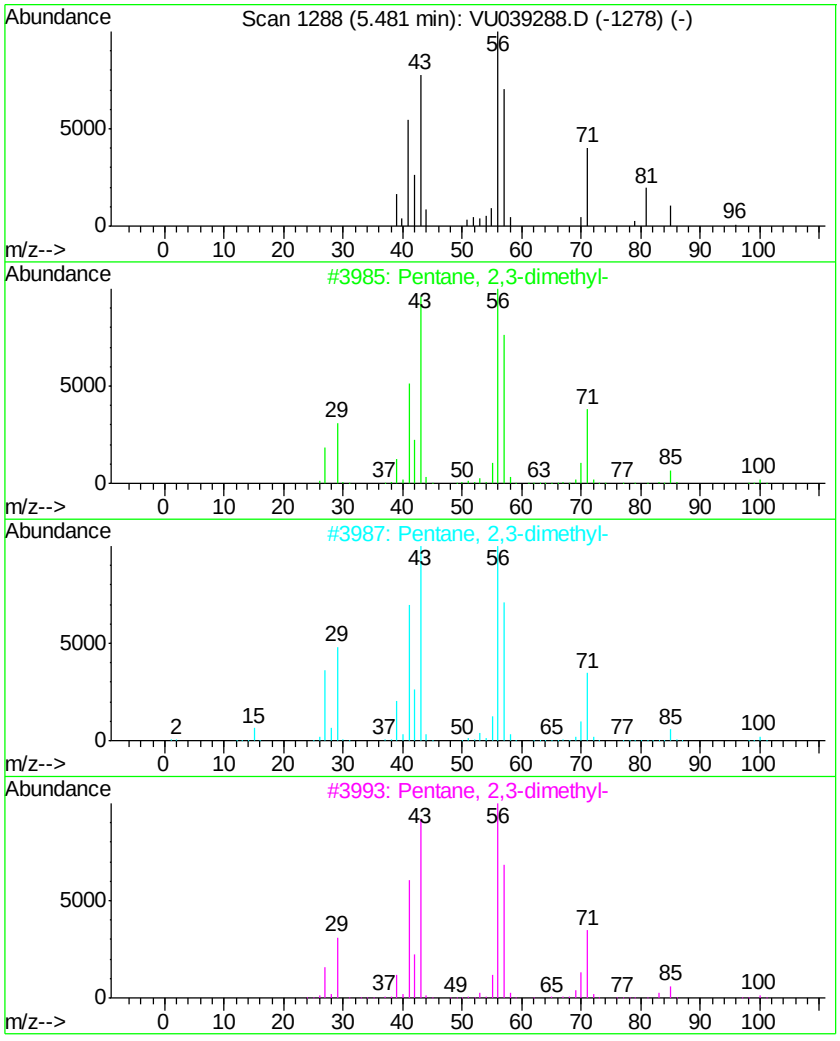
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

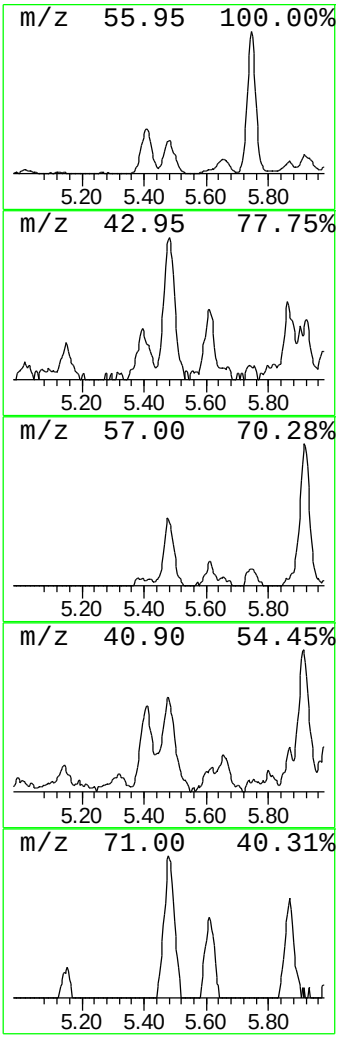
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.48	0.97 ug/L	59441	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	78
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	78
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	78
4	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	47
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

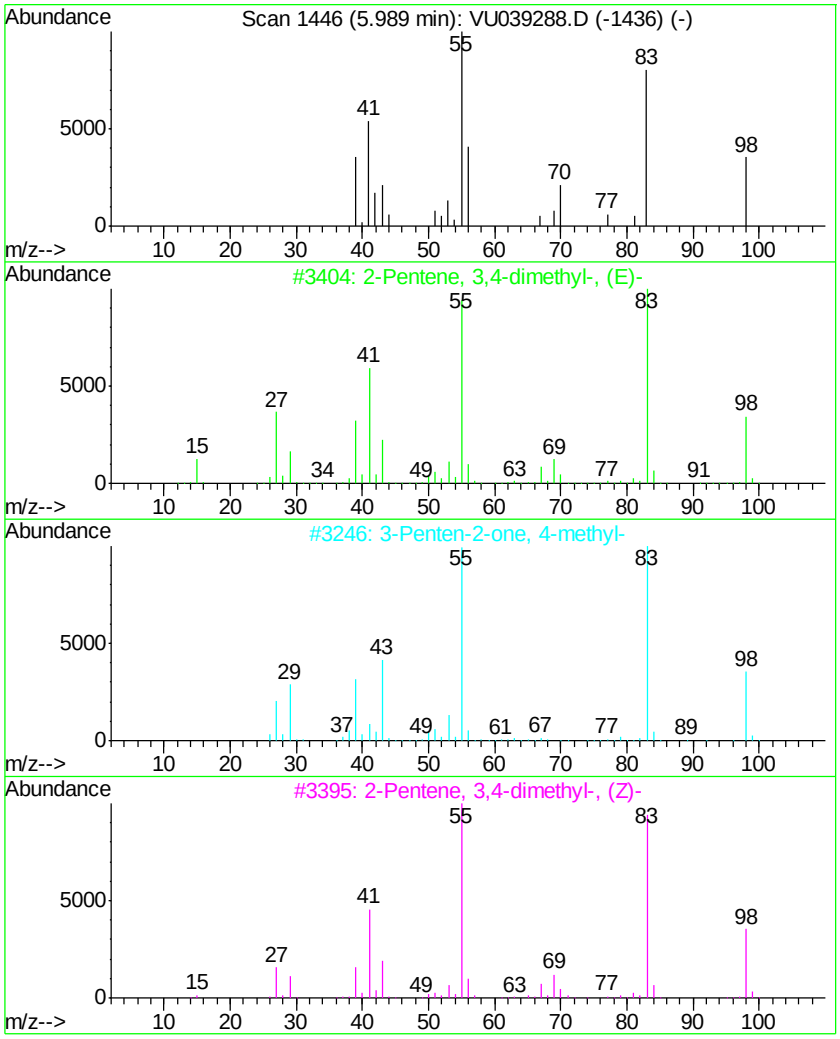
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

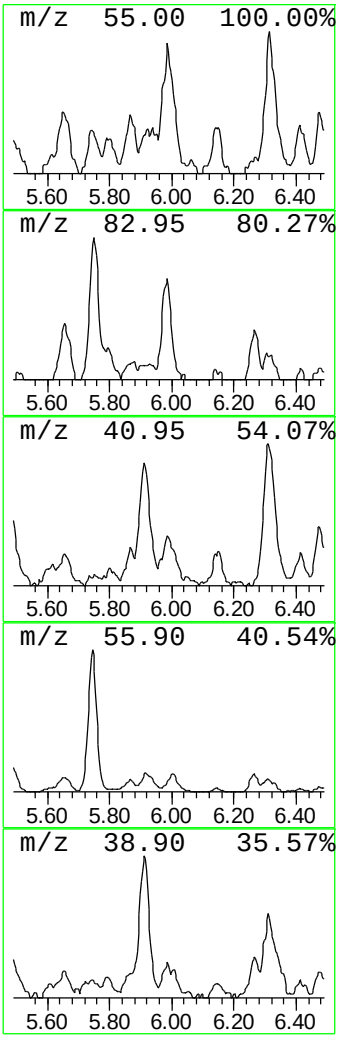
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.99	0.59 ug/L	36036	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	72
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	64
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	64
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	56
5	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	50





Library Search Compound Report

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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

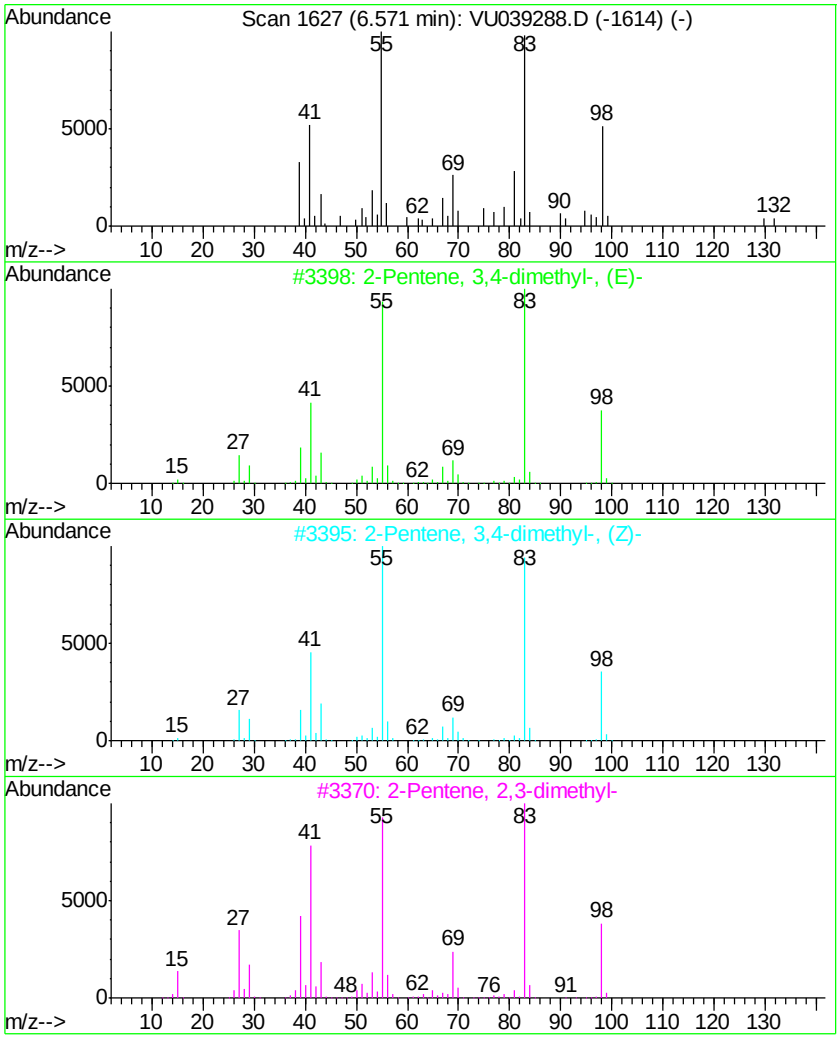
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

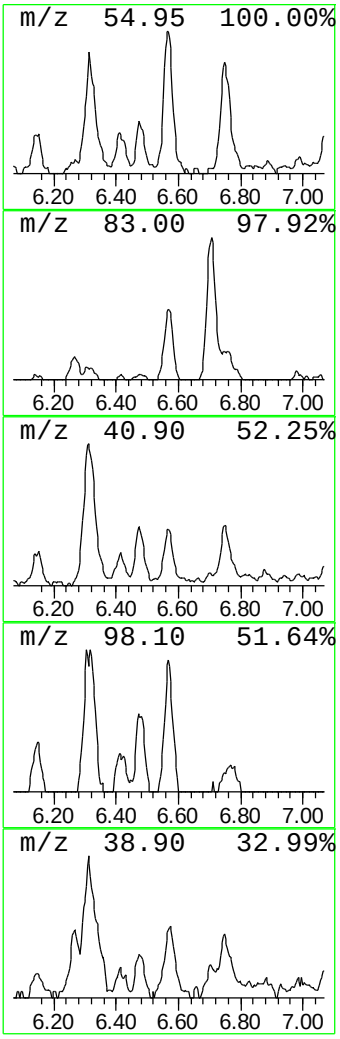
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	0.69 ug/L	42510	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	81
2	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	81
3	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	74
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	74
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	72





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

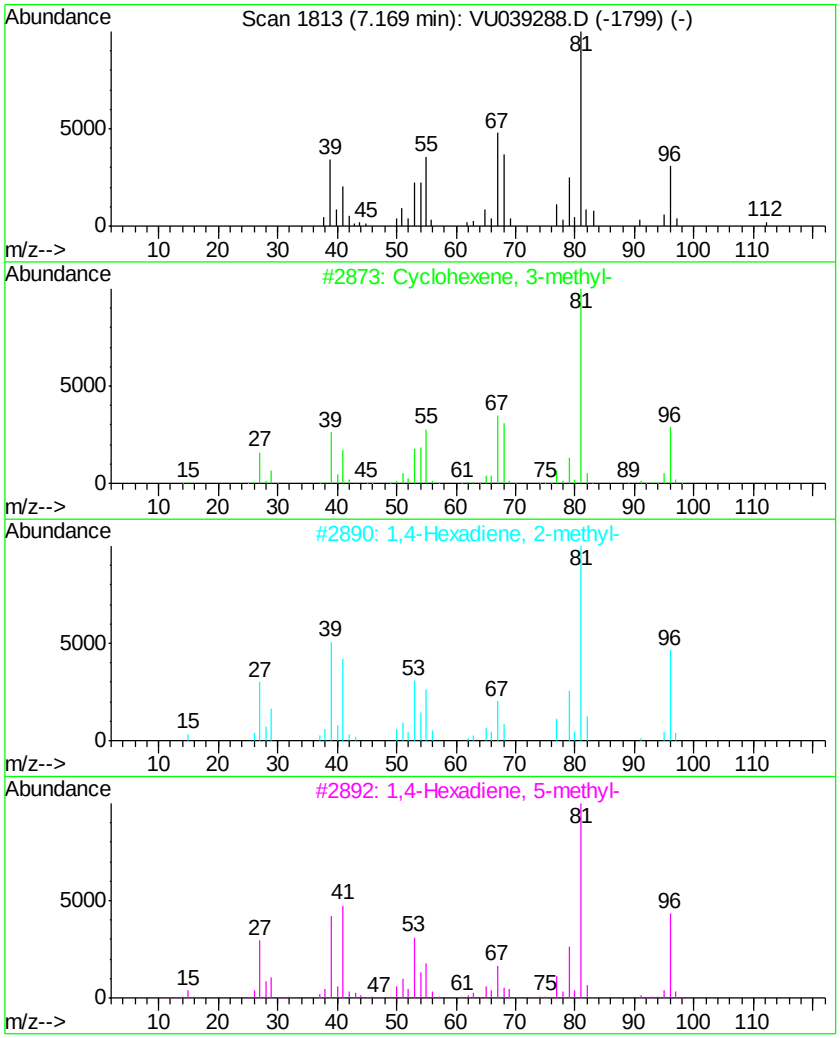
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

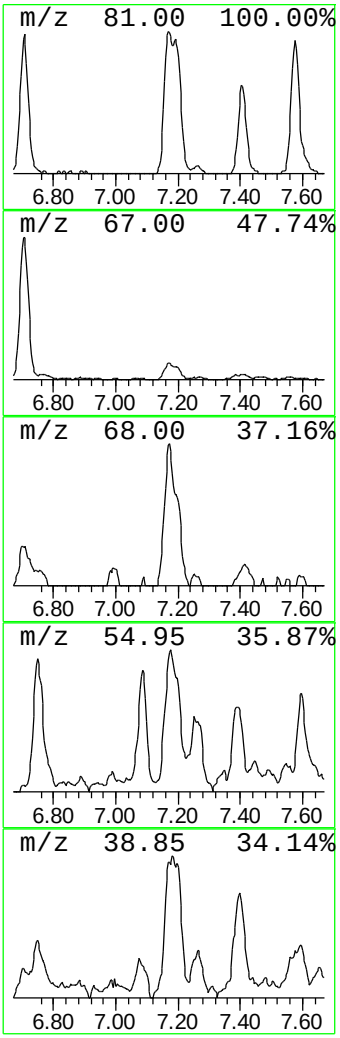
****

Peak Number 9 Cyclohexene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	1.25 ug/L	76550	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	94
2	1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	94
3	1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	93
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
5	1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	92





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

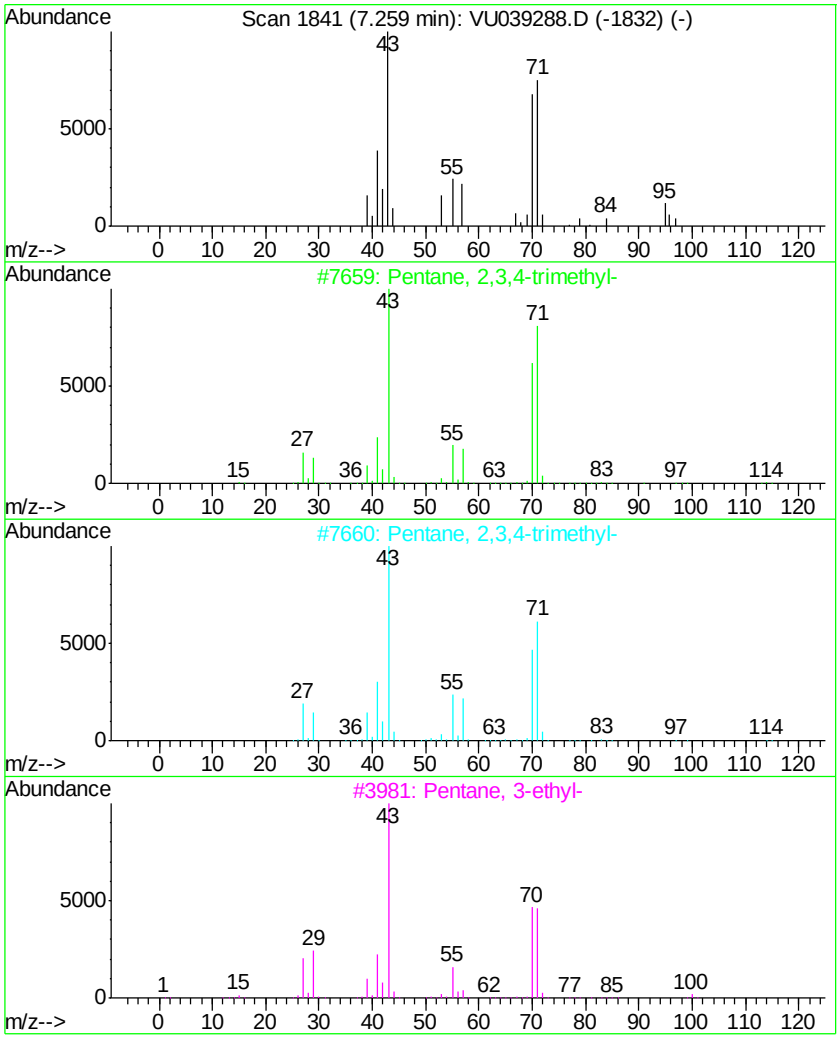
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

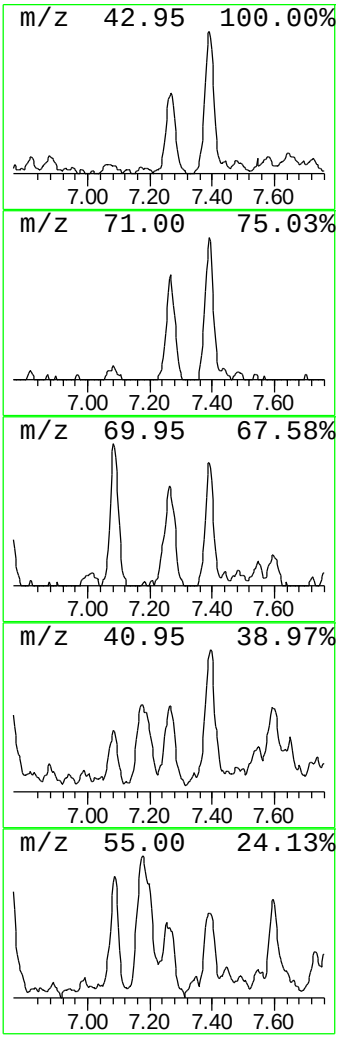
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	0.70 ug/L	42938	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

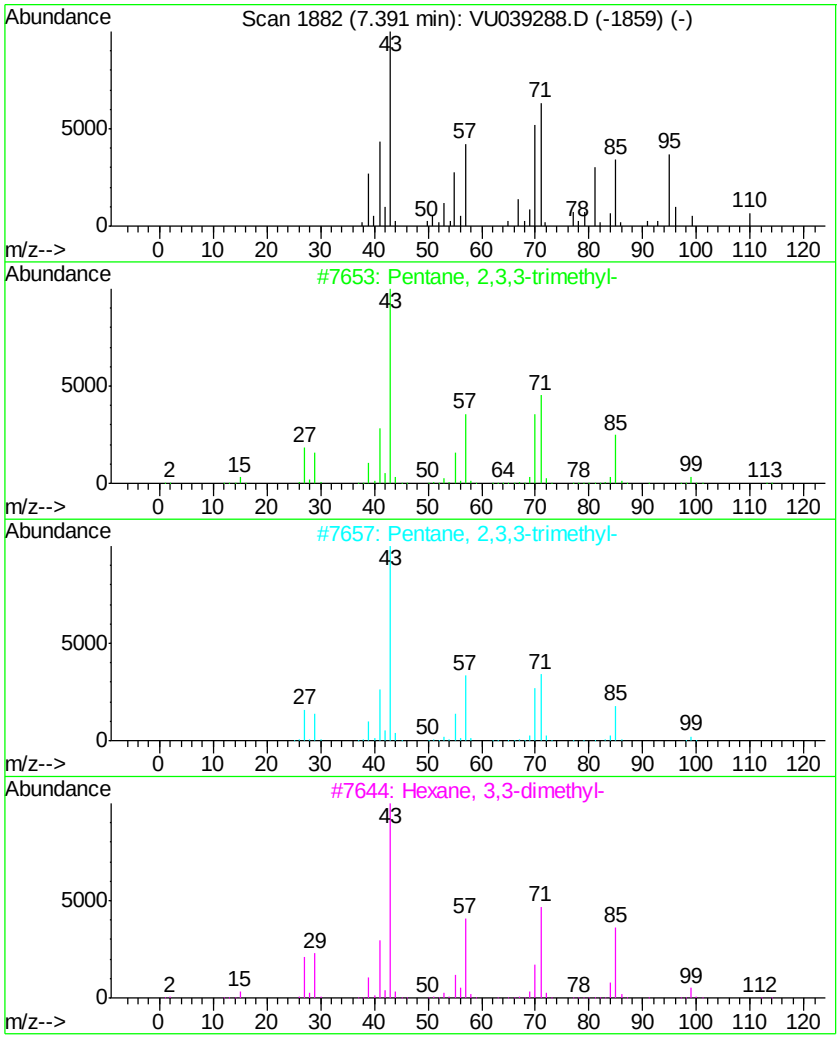
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

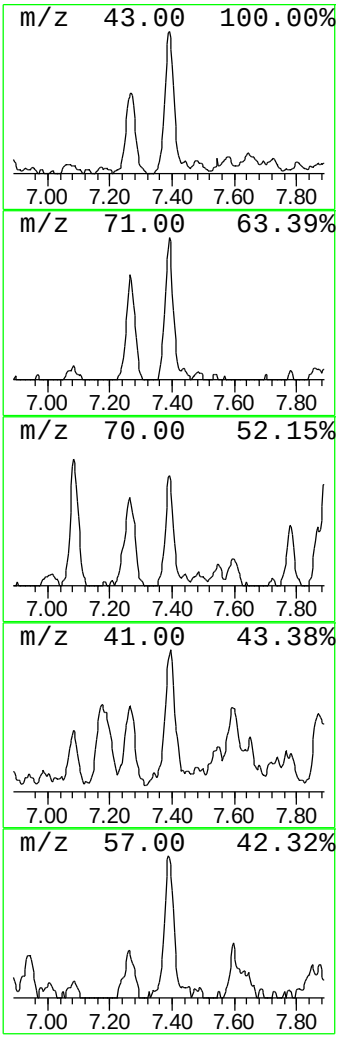
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	1.53 ug/L	93920	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	50
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	40
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	35
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	35
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	32





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

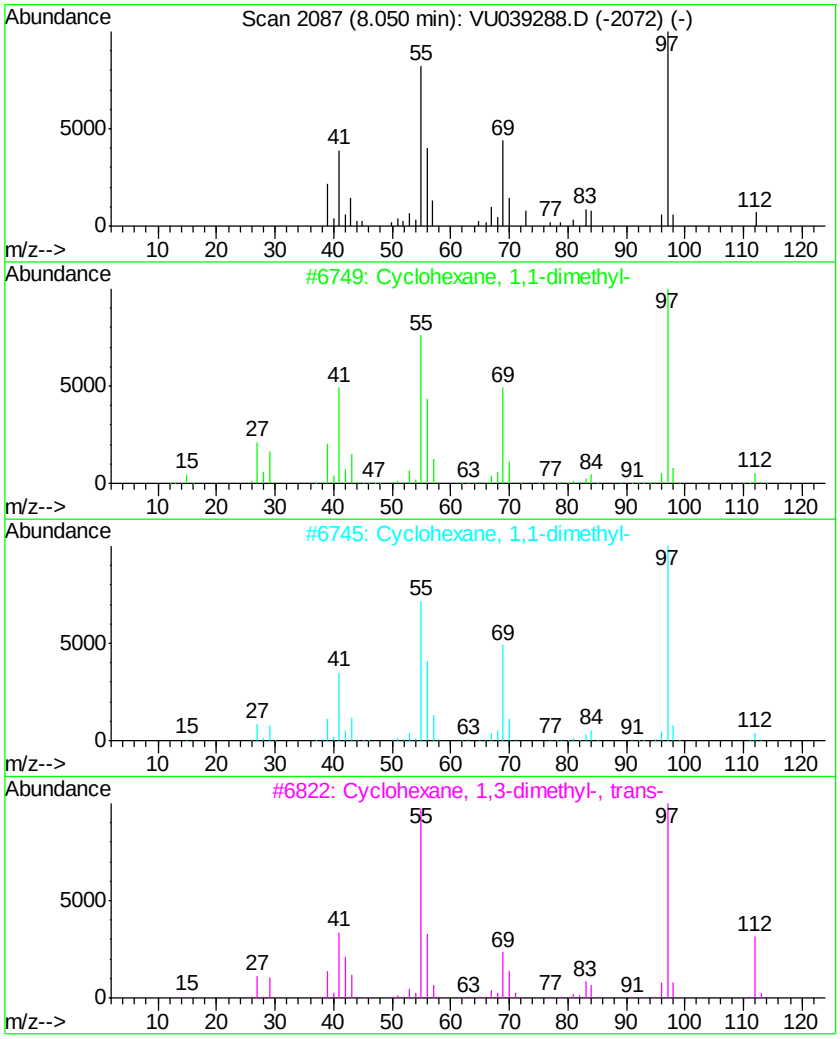
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

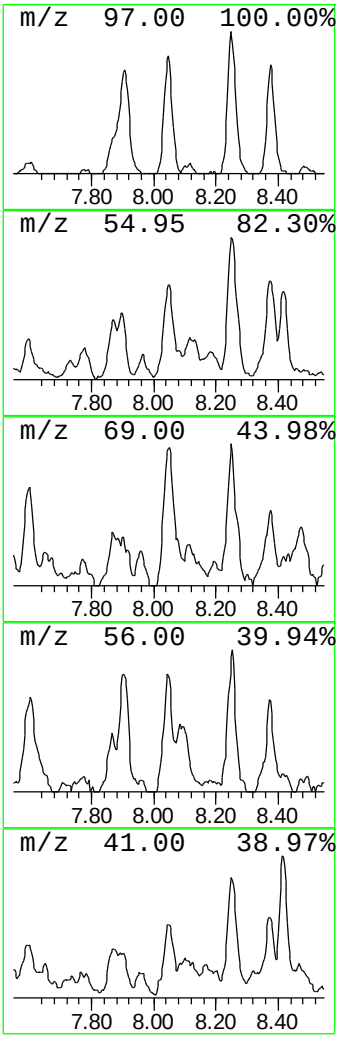
****

Peak Number 13 (DEL) Alkane: Cyclic8.05 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	0.80 ug/L	61611	Chlorobenzene-d5	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	90
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	87
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	59
5	1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1000338-28-2	50





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

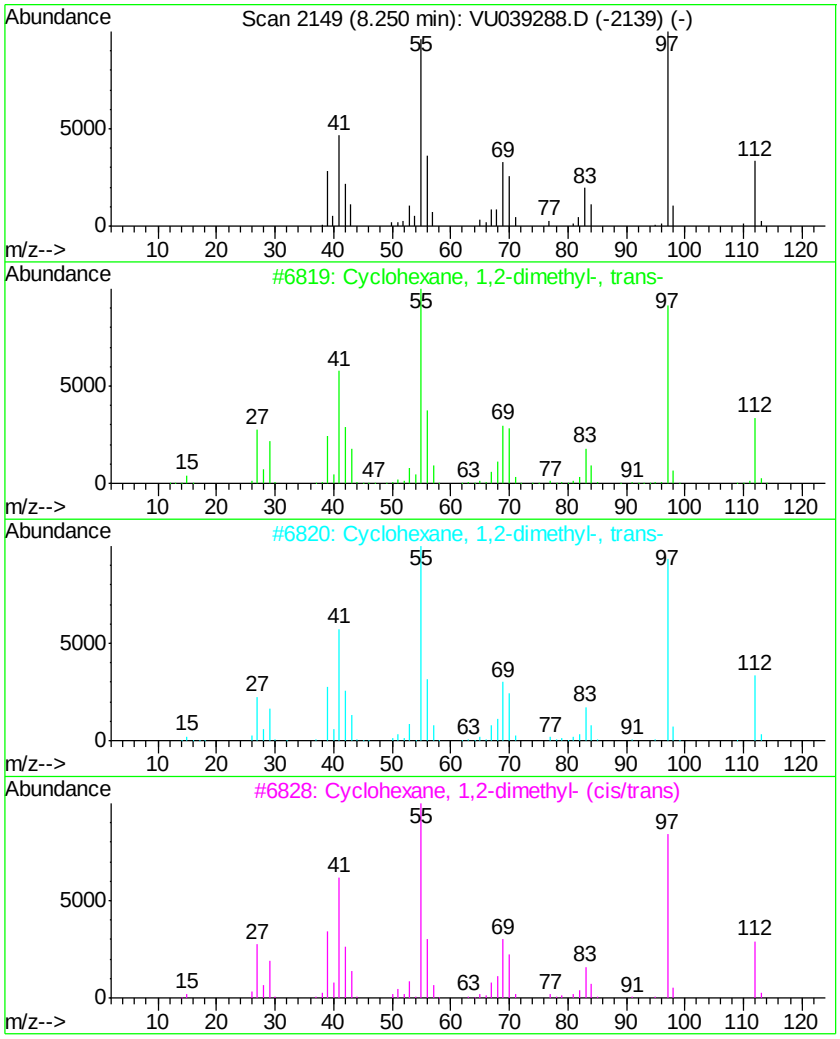
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

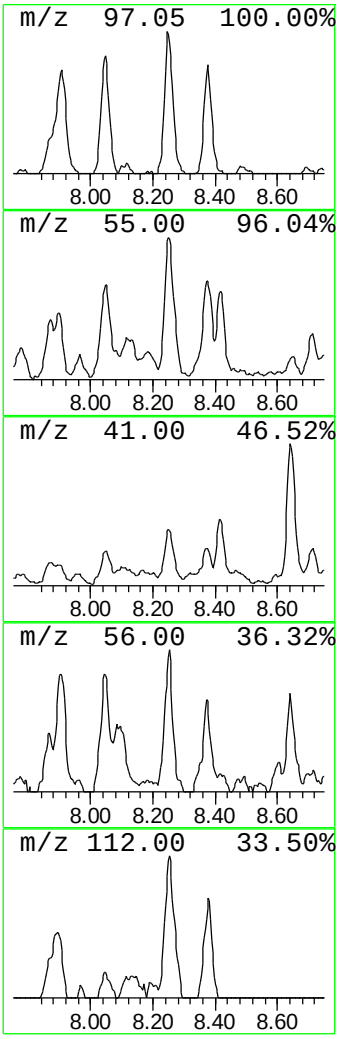
****

Peak Number 14 (DEL) Alkane: Cyclic8.25 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	0.98 ug/L	75291	Chlorobenzene-d5	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	97
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

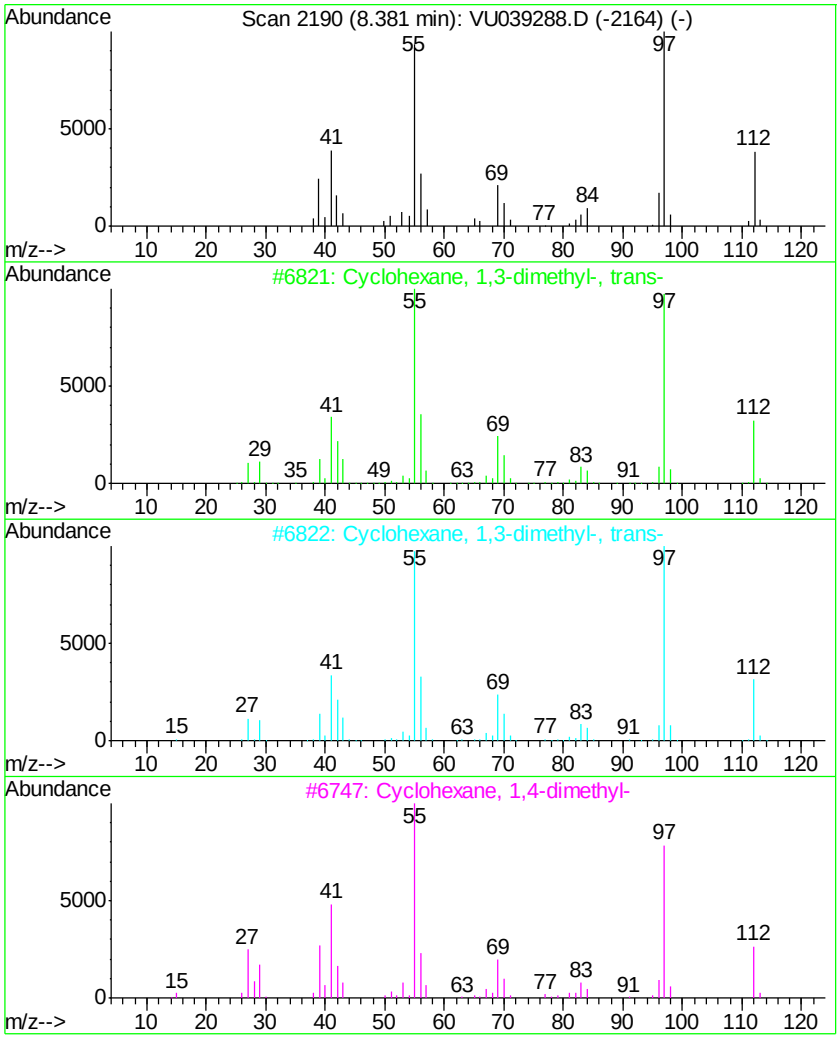
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

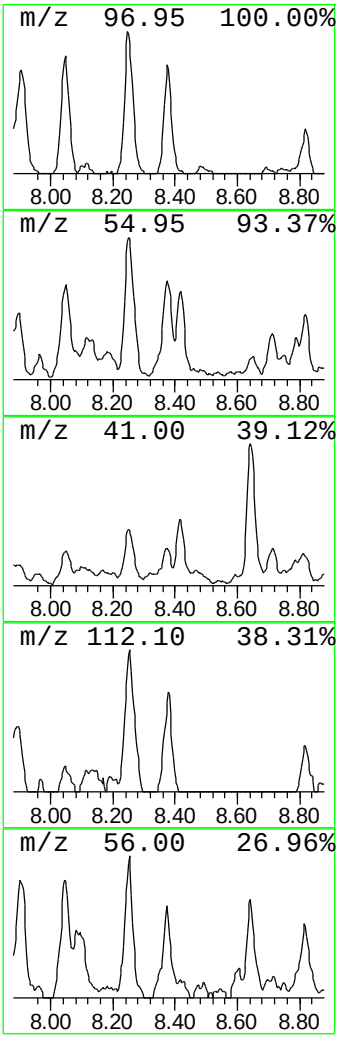
****

Peak Number 15 (DEL) Alkane: Cyclic8.38 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	0.78 ug/L	59792	Chlorobenzene-d5	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

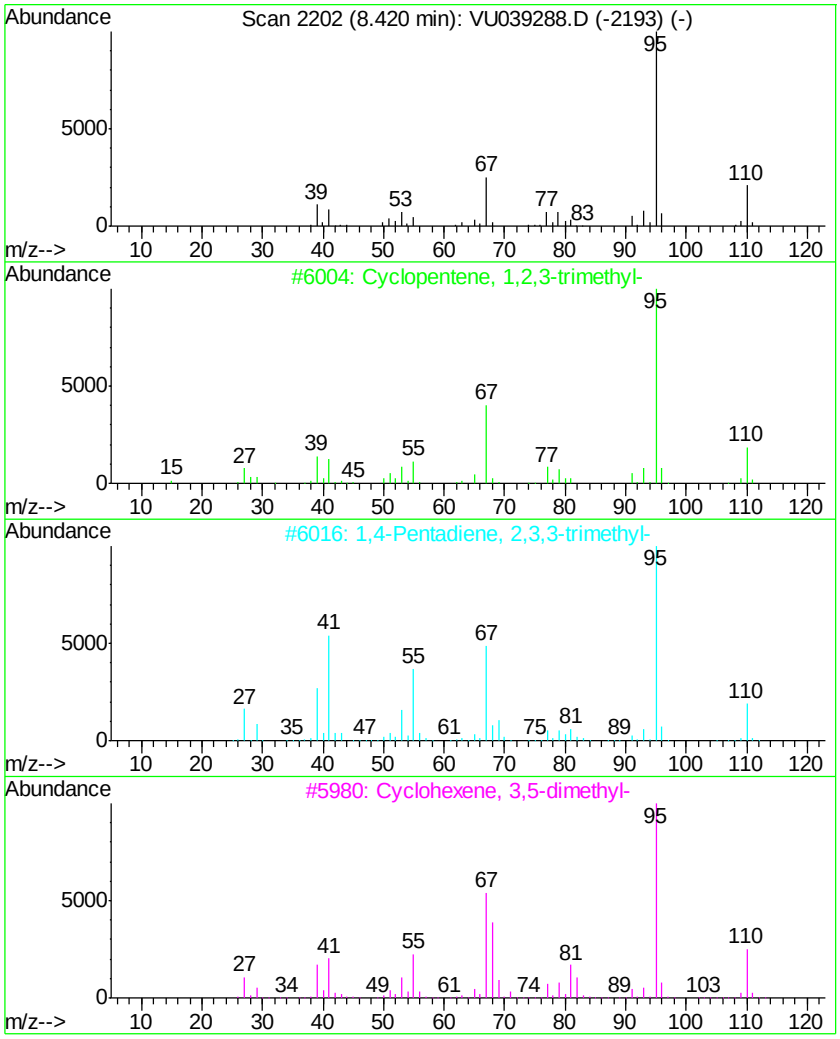
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

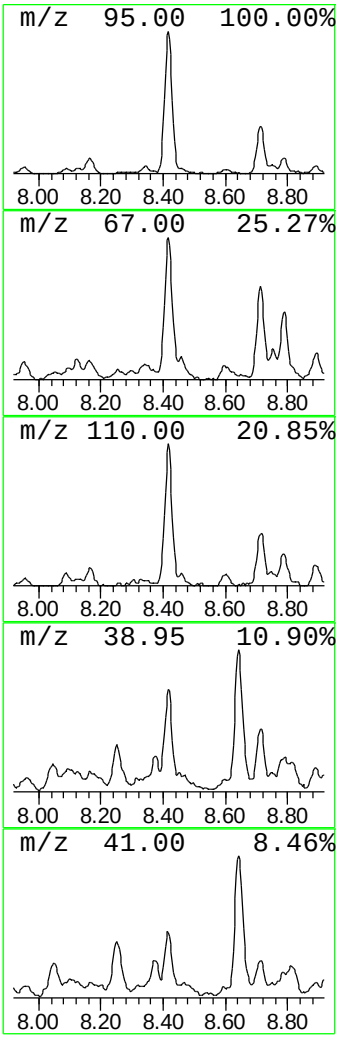
****

Peak Number 16 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	2.06 ug/L	157842	Chlorobenzene-d5	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	91
2	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	83
3	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	72
4	1-(3H-Imidazol-4-yl)-ethanone	110	C5H6N2O	061985-25-9	72
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	70





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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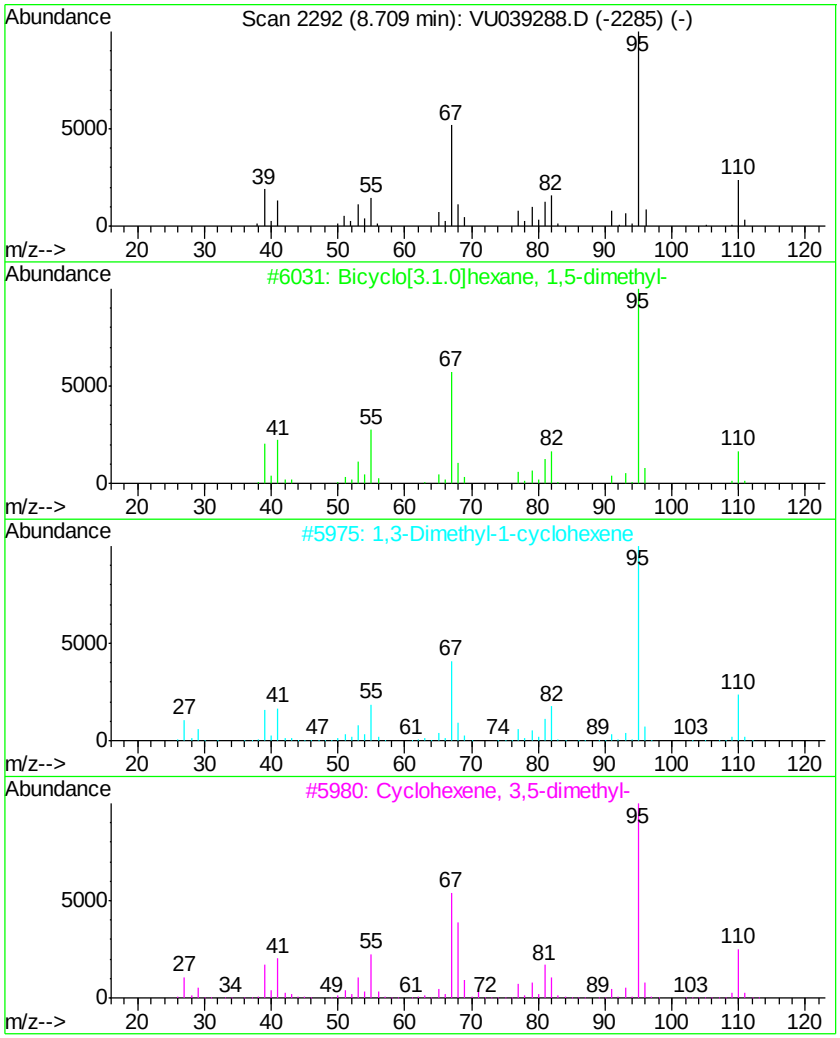
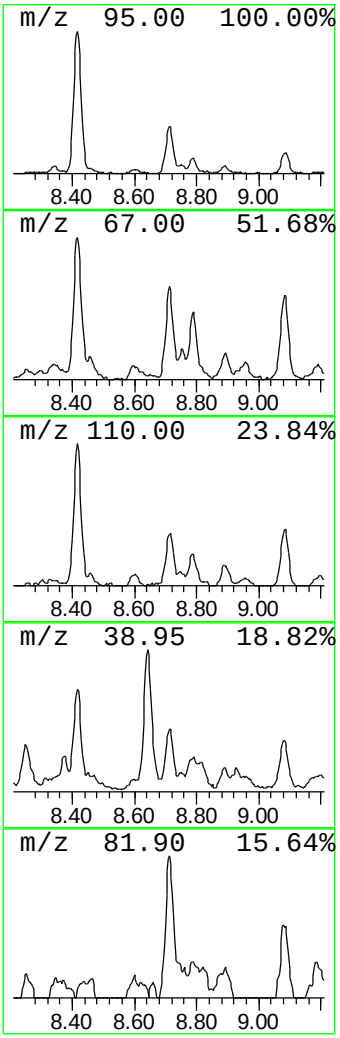
Peak Number 17 Bicyclo[3.1.0]hexane, 1,5-d... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	0.93 ug/L	71299	Chlorobenzene-d5	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	94
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	90
3	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	90
4	Cyclobutene, 1,2,3,4-tetramethyl-	110	C8H14	090346-45-5	90
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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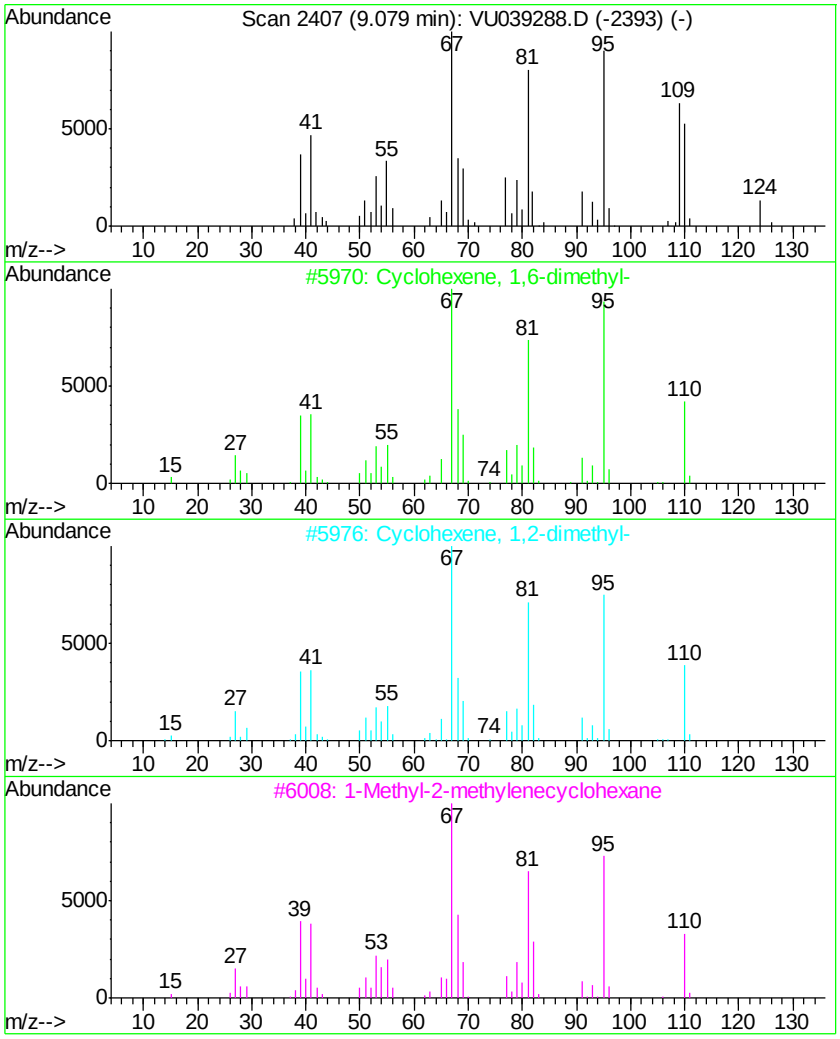
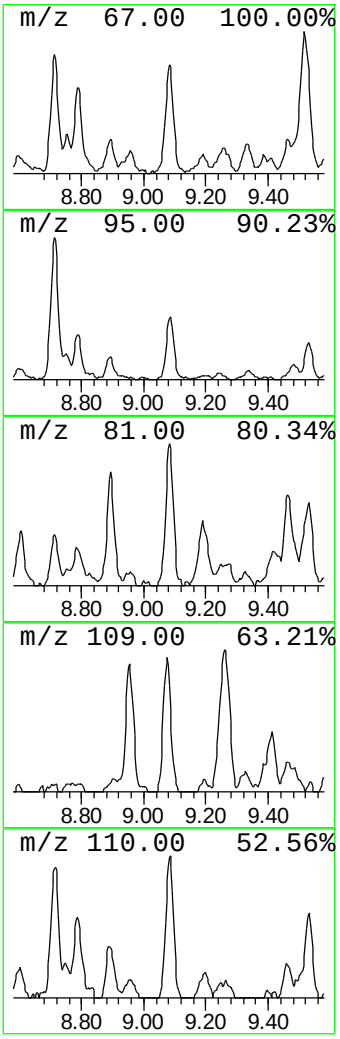
Peak Number 18 Cyclohexene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	1.30 ug/L	99392	Chlorobenzene-d5	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	96
2	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	91
3	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	87
4	1-Methylcycloheptene	110	C8H14	055308-20-8	83
5	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

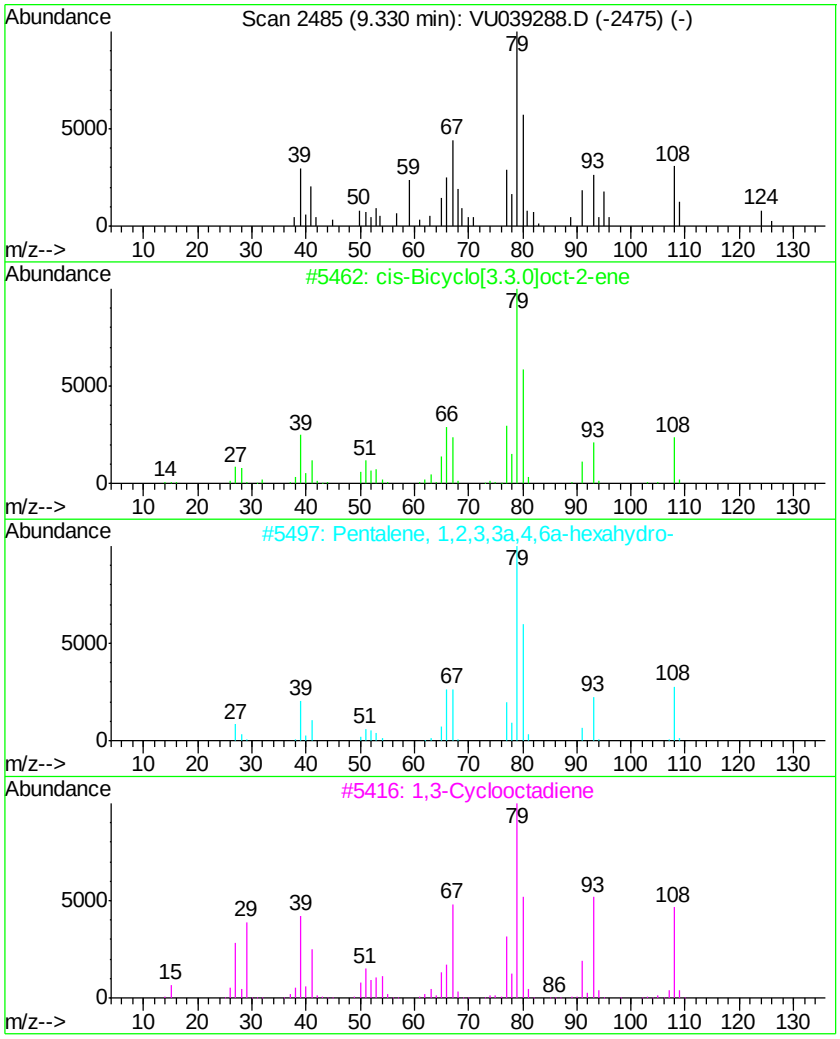
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

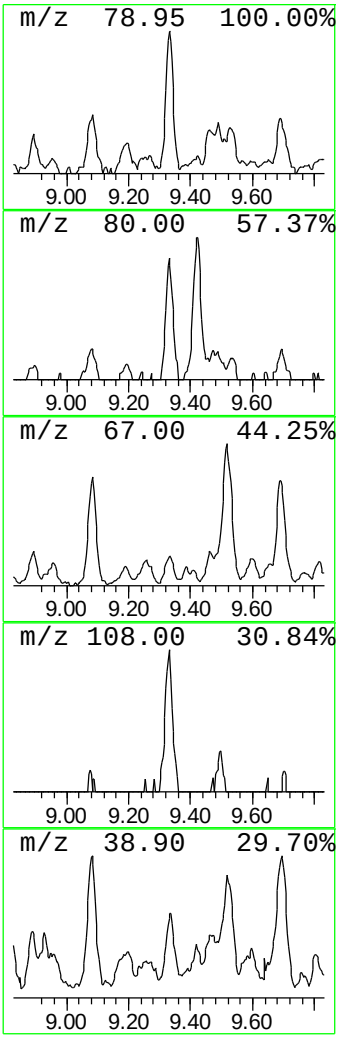
****

Peak Number 19 cis-Bicyclo[3.3.0]oct-2-ene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	0.54 ug/L	41409	Chlorobenzene-d5	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Bicyclo[3.3.0]oct-2-ene	108	C8H12	000930-99-4	81
2	Pentalene, 1,2,3,3a,4,6a-hexahydro-	108	C8H12	005549-09-7	76
3	1,3-Cyclooctadiene	108	C8H12	001700-10-3	60
4	1,3-Cyclooctadiene	108	C8H12	001700-10-3	58
5	1,3-Cyclooctadiene	108	C8H12	001700-10-3	49





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

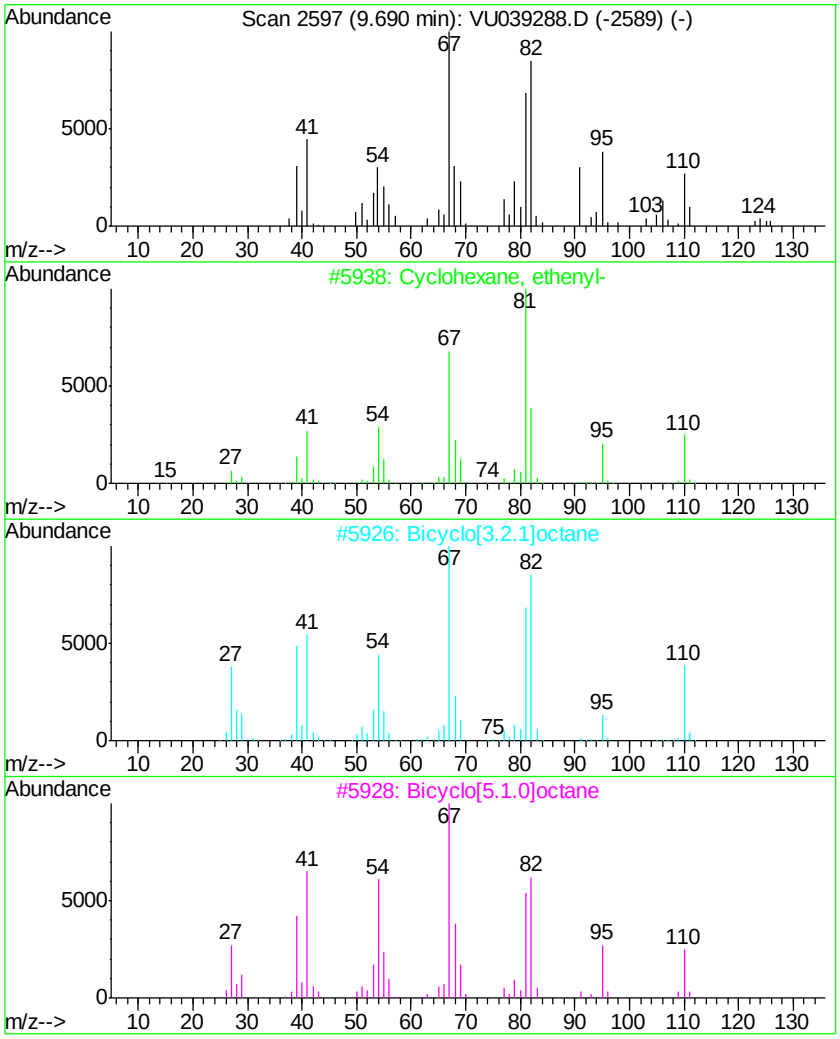
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

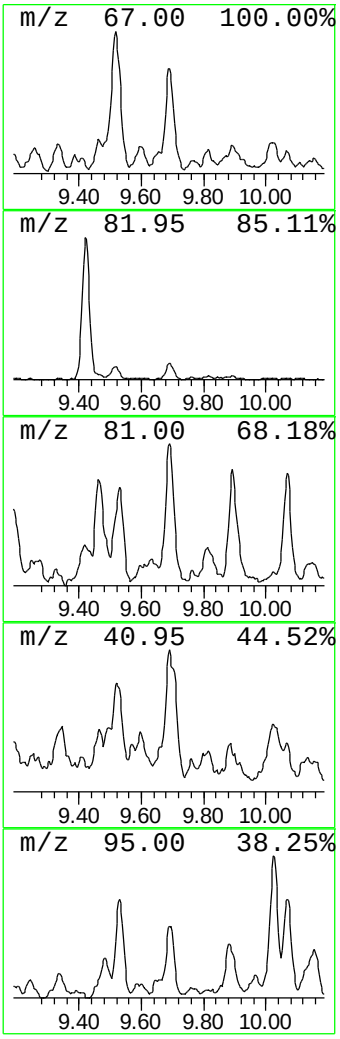
****

Peak Number 20 Cyclohexane, ethenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	1.41 ug/L	108455	Chlorobenzene-d5	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethenyl-	110	C8H14	000695-12-5	58
2	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	58
3	Bicyclo[5.1.0]octane	110	C8H14	000286-43-1	53
4	Bicyclo[2.2.1]heptane, 2-methyl-	110	C8H14	015185-11-2	52
5	Ethylidenecyclobutane	82	C6H10	001528-21-8	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

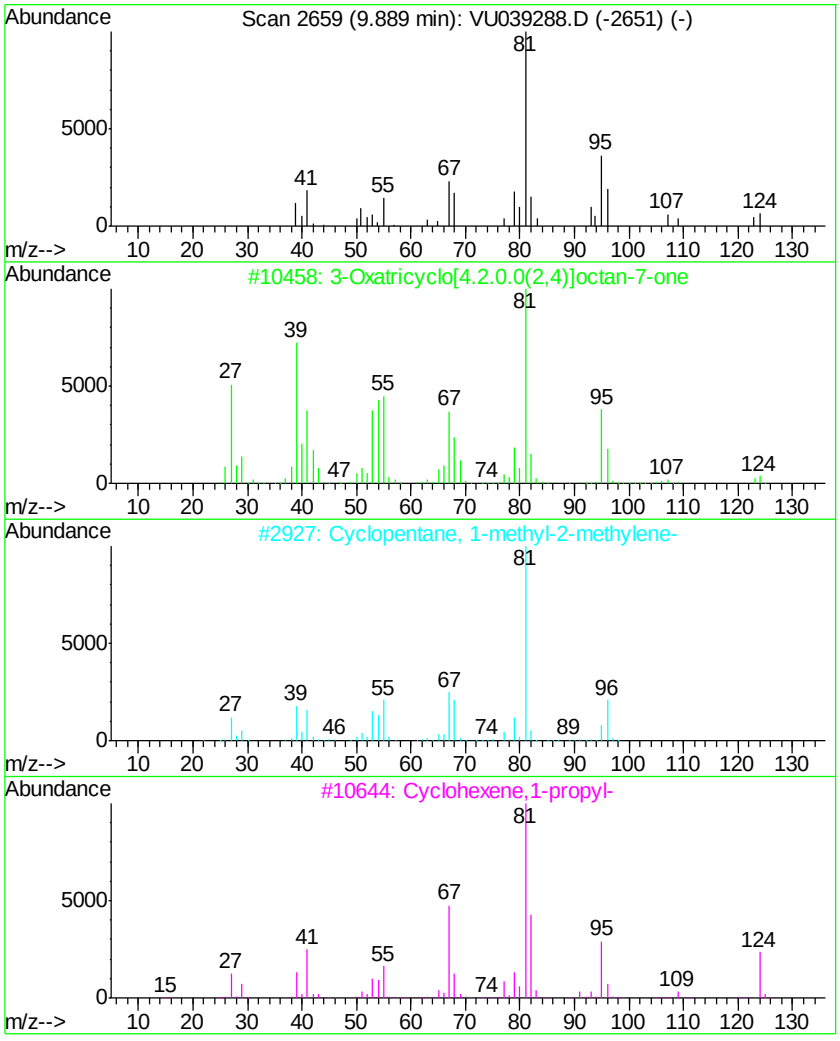
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

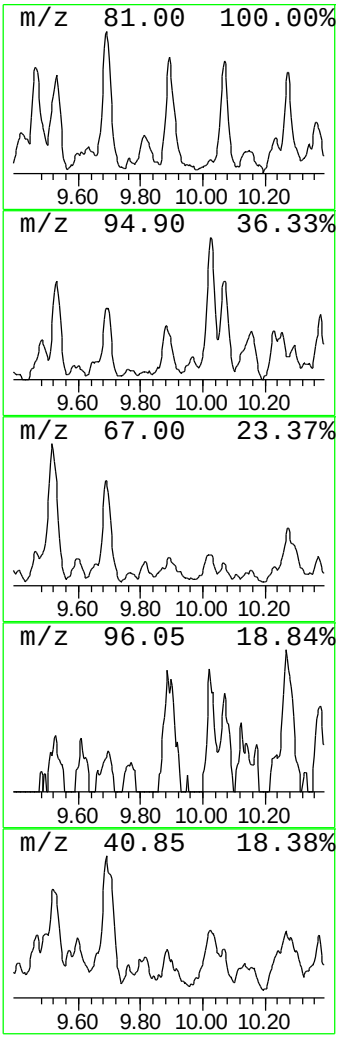
****

Peak Number 21 3-Oxatricyclo[4.2.0.0(2,4)]... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	0.54 ug/L	41599	Chlorobenzene-d5	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Oxatricyclo[4.2.0.0(2,4)]octan...	124	C7H8O2	1000211-18-1	80
2	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	58
3	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	53
4	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	39
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	39





Library Search Compound Report

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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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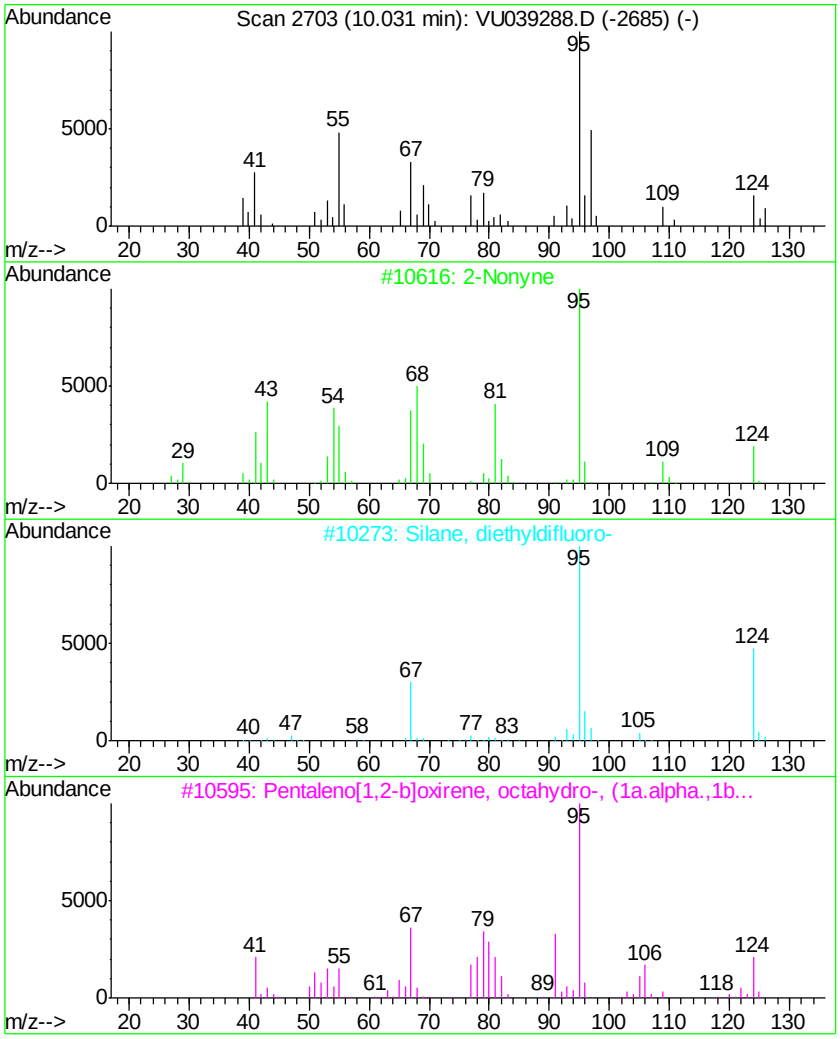
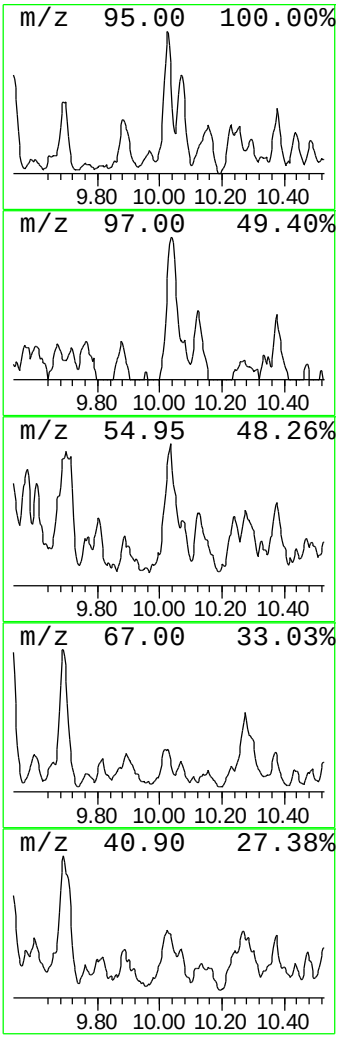
Peak Number 22 2-Nonyne Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	0.59 ug/L	45317	Chlorobenzene-d5	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonyne	124	C9H16	019447-29-1	53
2	Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	50
3	Pentaleno[1,2-b]oxirene, octahyd...	124	C8H12O	055449-71-3	47
4	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	47
5	1,4-Pentadiene, 2,3,4-trimethyl-	110	C8H14	072014-90-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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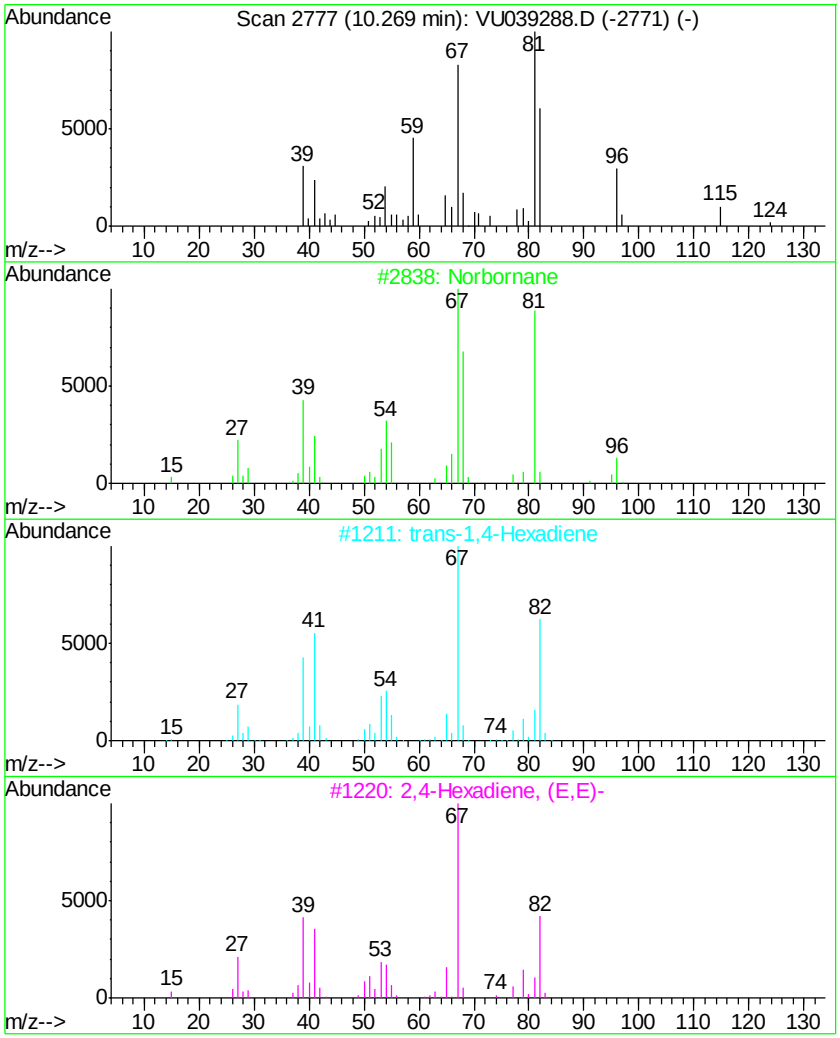
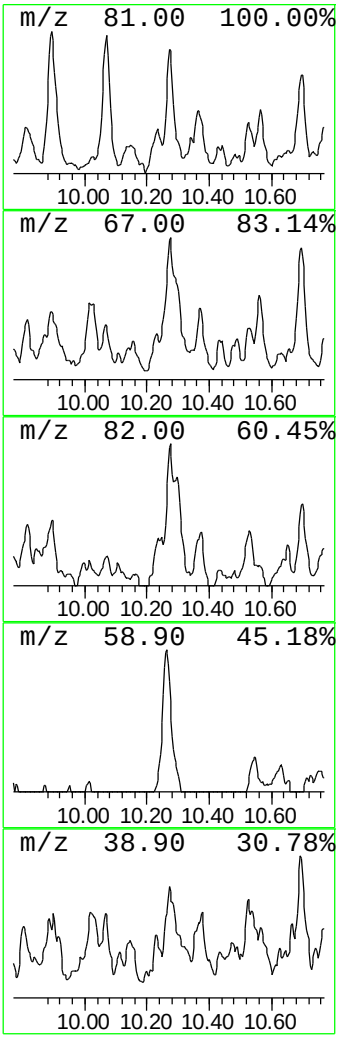
Peak Number 23 Norbornane Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	0.53 ug/L	40836	Chlorobenzene-d5	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Norbornane	96	C7H12	000279-23-2	53
2	trans-1,4-Hexadiene	82	C6H10	007319-00-8	43
3	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	38
4	2,4-Hexadiene	82	C6H10	000592-46-1	38
5	(Z),(Z)-2,4-Hexadiene	82	C6H10	006108-61-8	38





Library Search Compound Report

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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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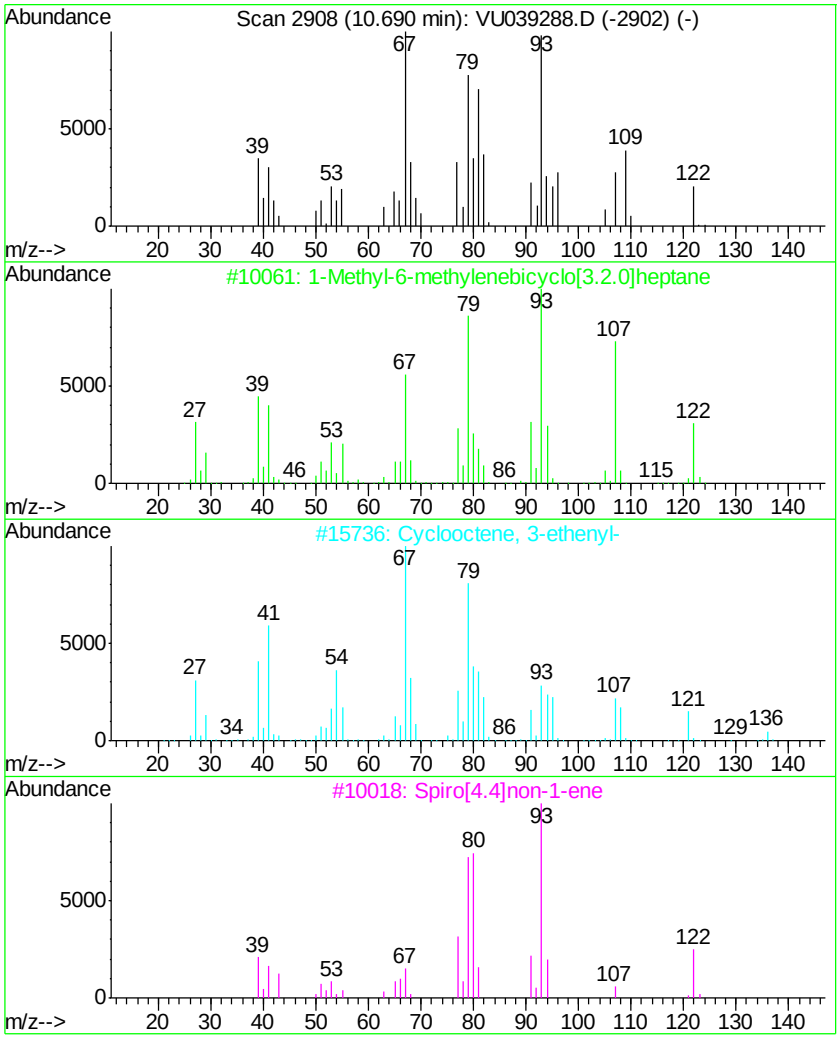
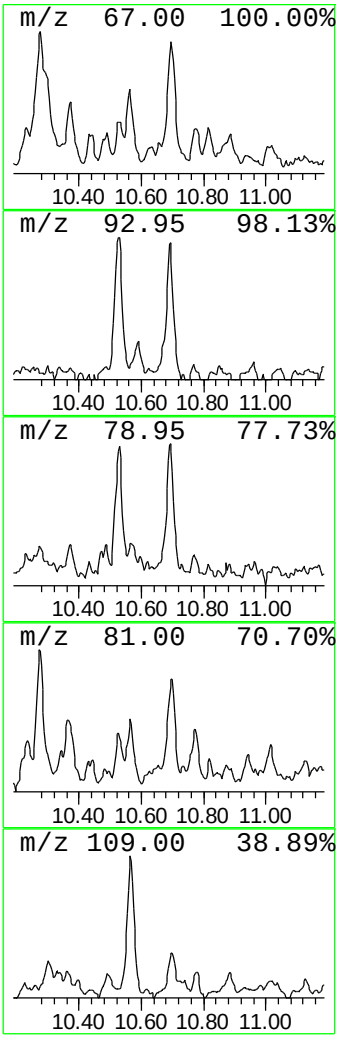
Peak Number 24 1-Methyl-6-methylenebicyclo... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	0.54 ug/L	42322	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-6-methylenebicyclo[3.2....	122	C9H14	1000210-90-0	55
2	Cyclooctene, 3-ethenyl-	136	C10H16	002213-60-7	43
3	Spiro[4.4]non-1-ene	122	C9H14	000873-12-1	38
4	Bicyclo[3.2.0]heptane, 6-methylene-	108	C8H12	003642-22-6	35
5	Bicyclo[5.2.0]non-1-ene	122	C9H14	065811-17-8	25





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

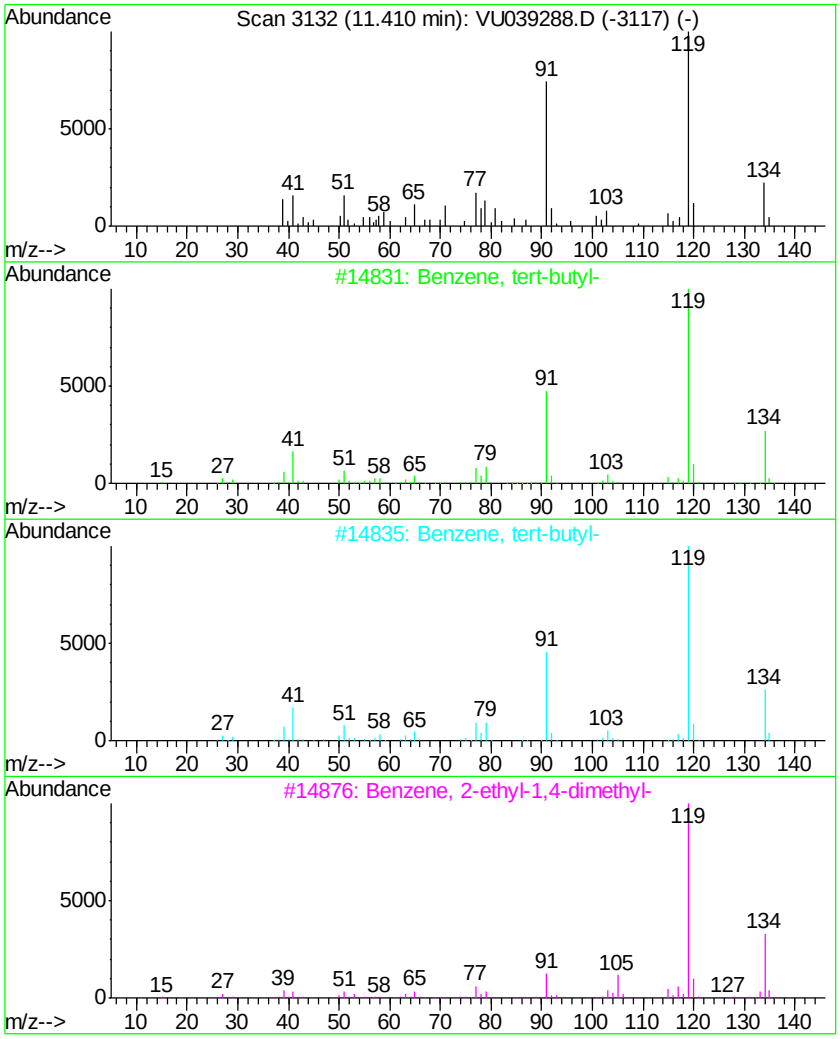
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

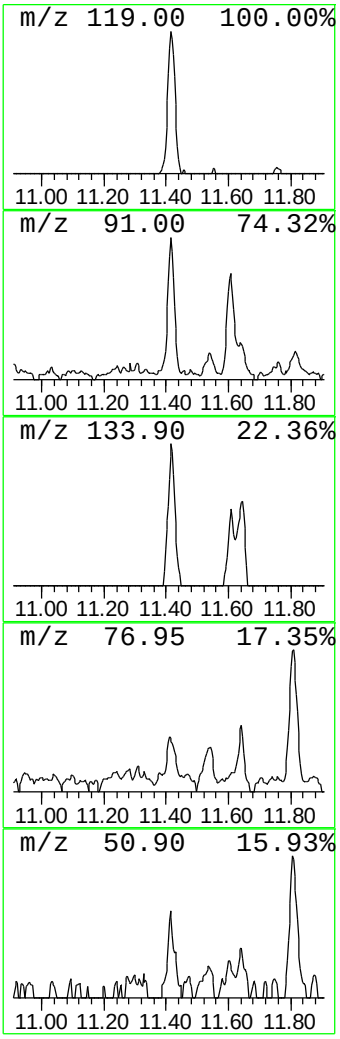
****

Peak Number 25 Benzene, tert-butyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	0.51 ug/L	39763	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	91
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	83
4	Benzene, tert-butyl-	134	C10H14	000098-06-6	83
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	83





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

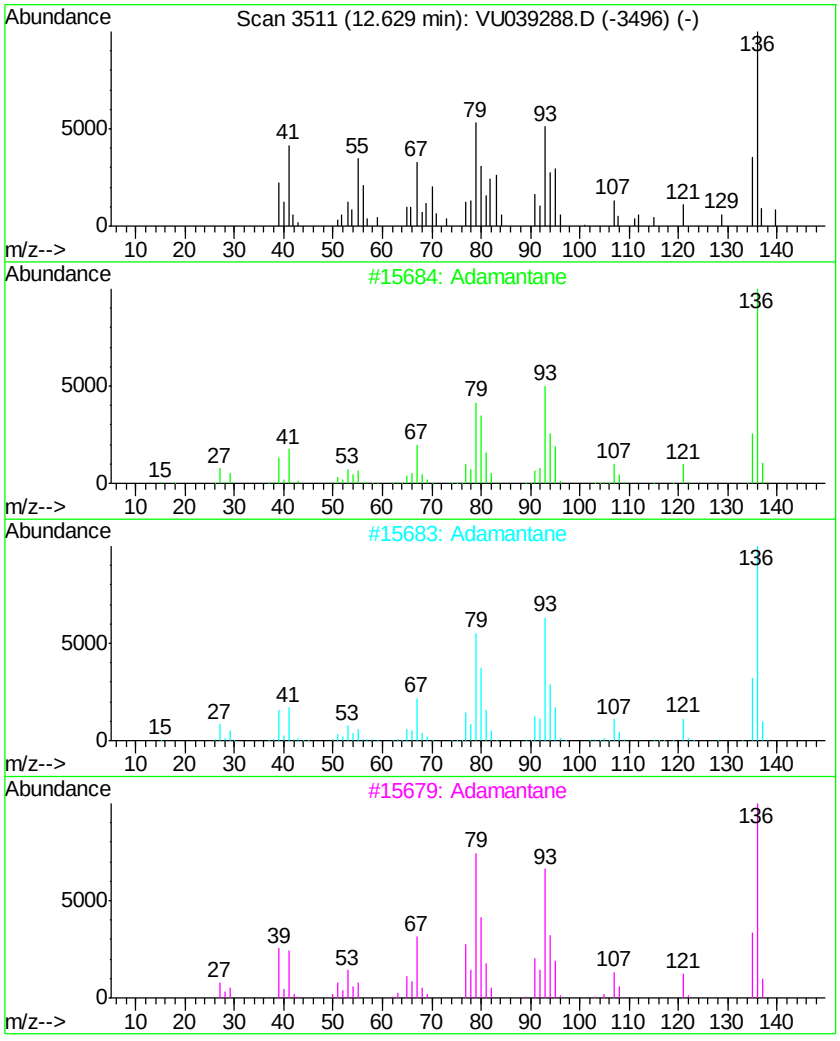
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

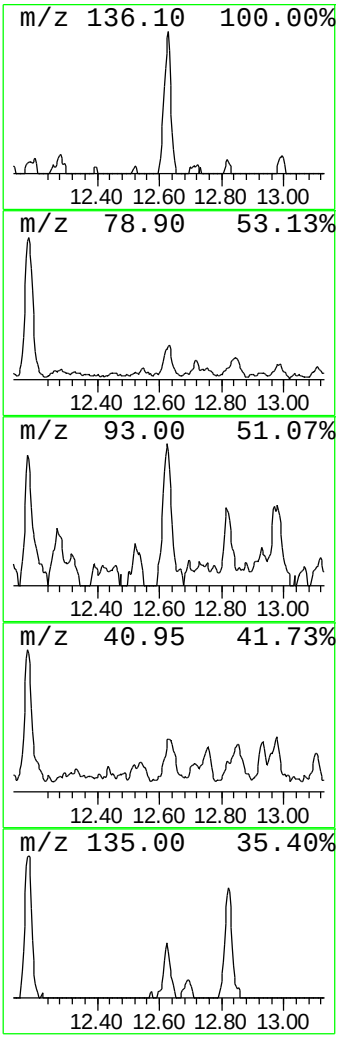
****

Peak Number 26 Adamantane Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	0.62 ug/L	48742	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	97
2	Adamantane	136	C10H16	000281-23-2	96
3	Adamantane	136	C10H16	000281-23-2	94
4	2,5-Methano-1H-indene, octahydro-	136	C10H16	019026-94-9	68
5	2H-Inden-2-one, 1,4,5,6,7,7a-hex...	136	C9H12O	039163-29-6	53





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

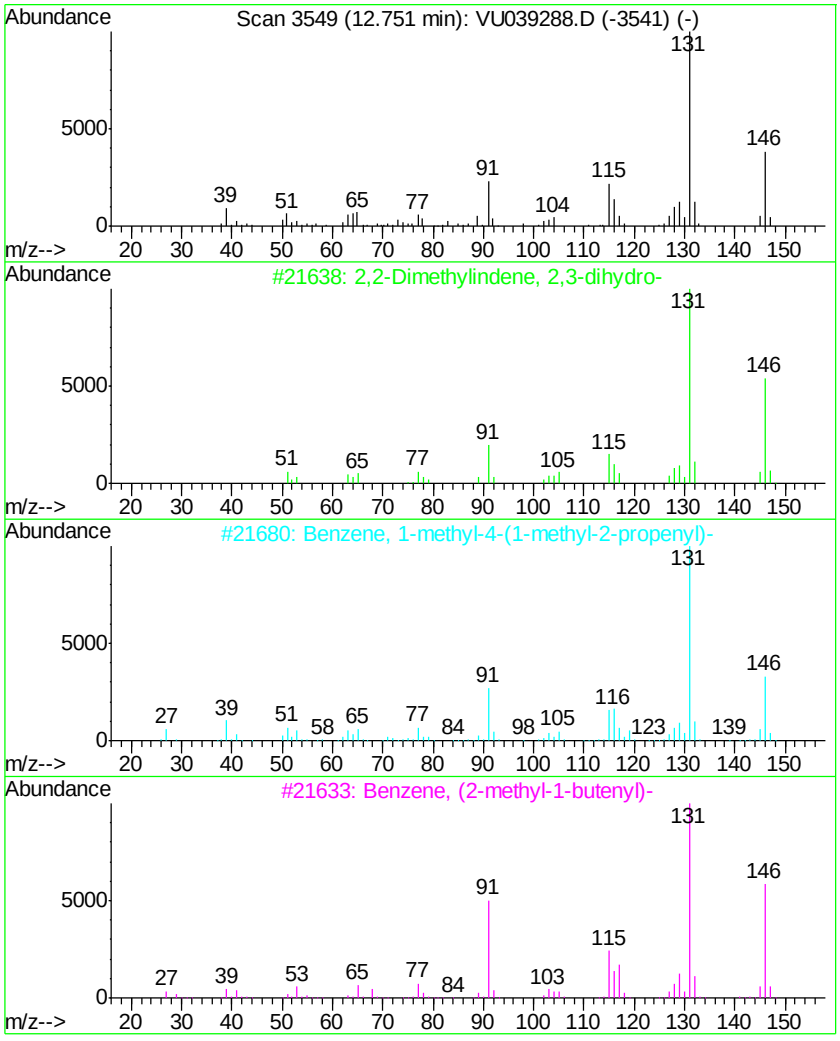
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

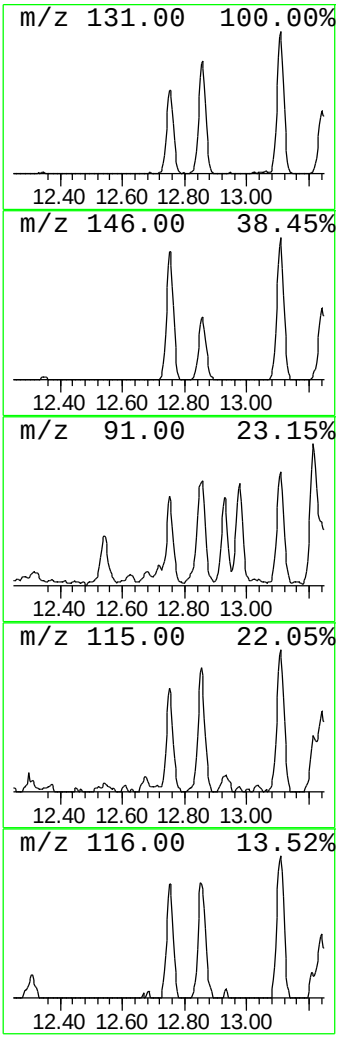
****

Peak Number 27 2,2-Dimethylindene, 2,3-dih... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	1.44 ug/L	112926	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	97
2	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	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	91
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	91





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Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

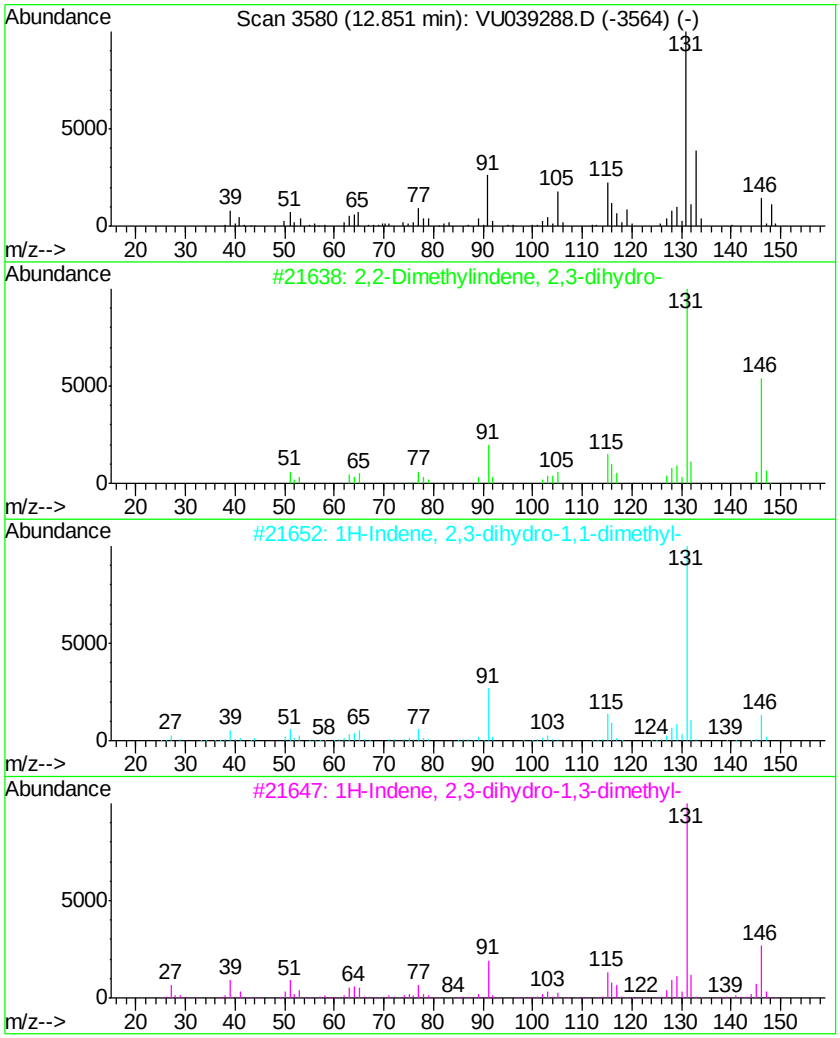
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

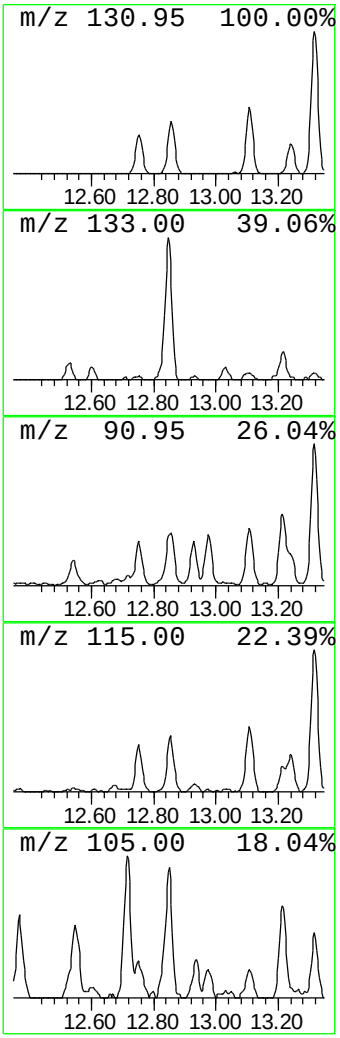
****

Peak Number 28 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	2.05 ug/L	160914	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	76
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	72
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	68
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	68





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

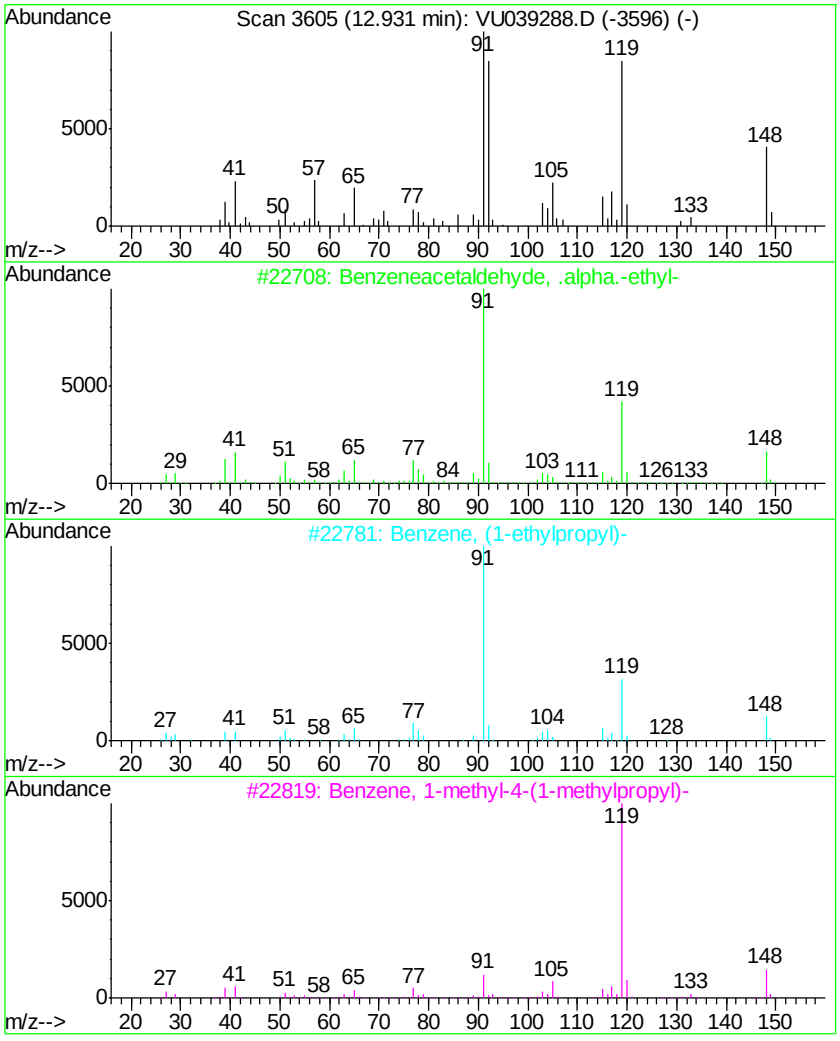
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

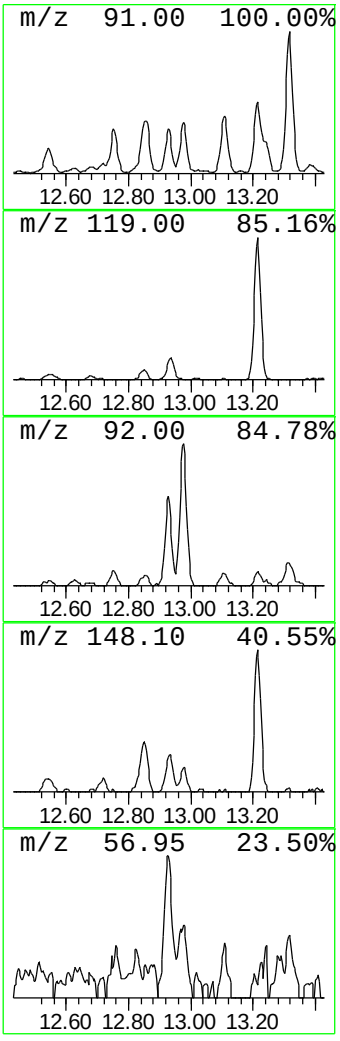
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzeneacetaldehyde, .alpha... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	0.52 ug/L	40982	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-ethyl-	148	C10H12O	002439-43-2	60
2	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	53
3	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	49
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	49
5	Benzene, pentyl-	148	C11H16	000538-68-1	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

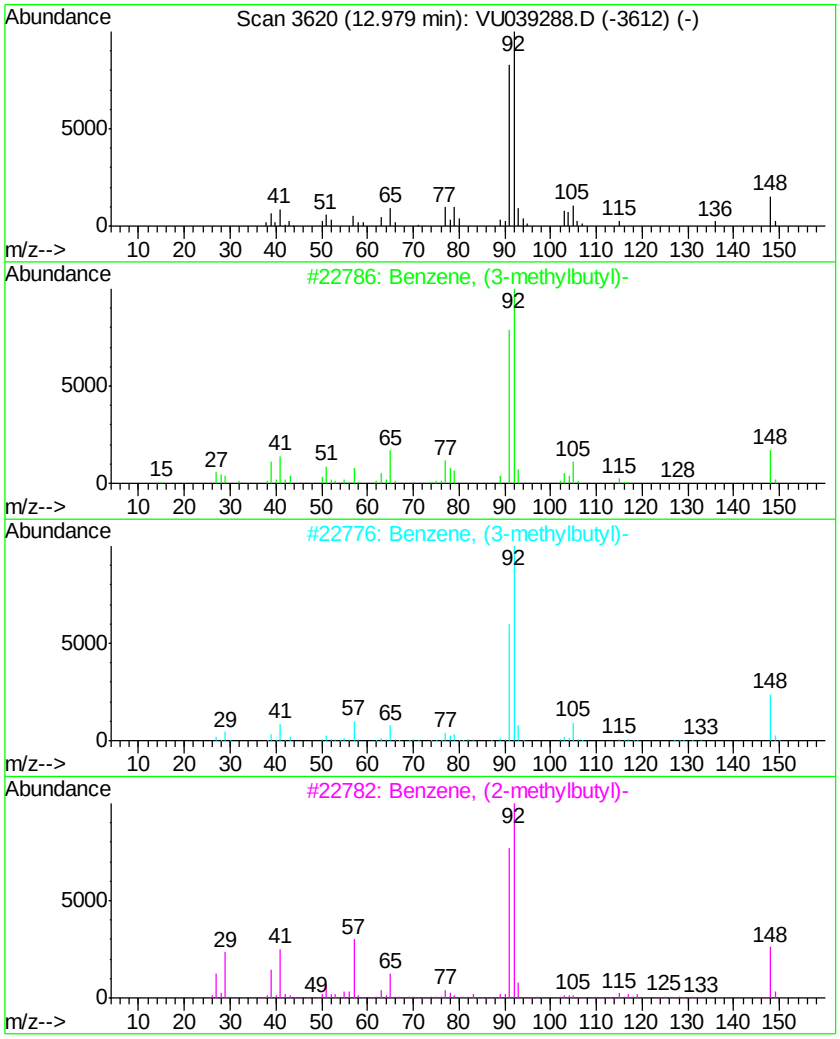
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

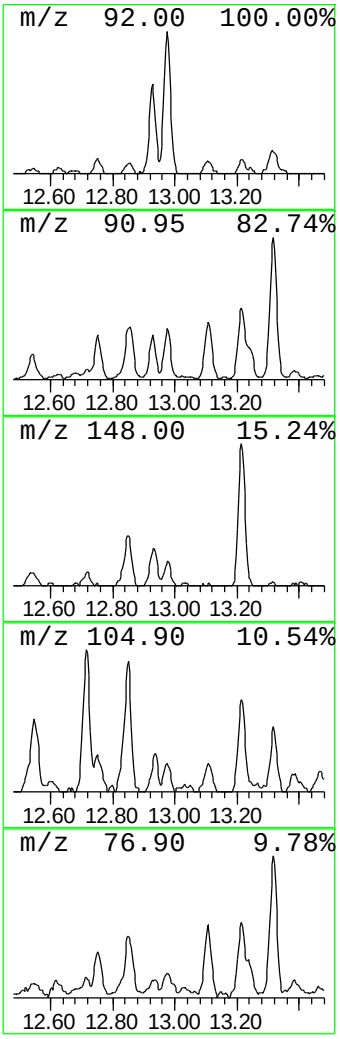
****

Peak Number 30 Benzene, (3-methylbutyl)- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	0.50 ug/L	39437	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	91
2	Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	78
3	Benzene, (2-methylbutyl)-	148	C11H16	003968-85-2	72
4	Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	64
5	Benzene, (2-methylbutyl)-	148	C11H16	003968-85-2	64





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

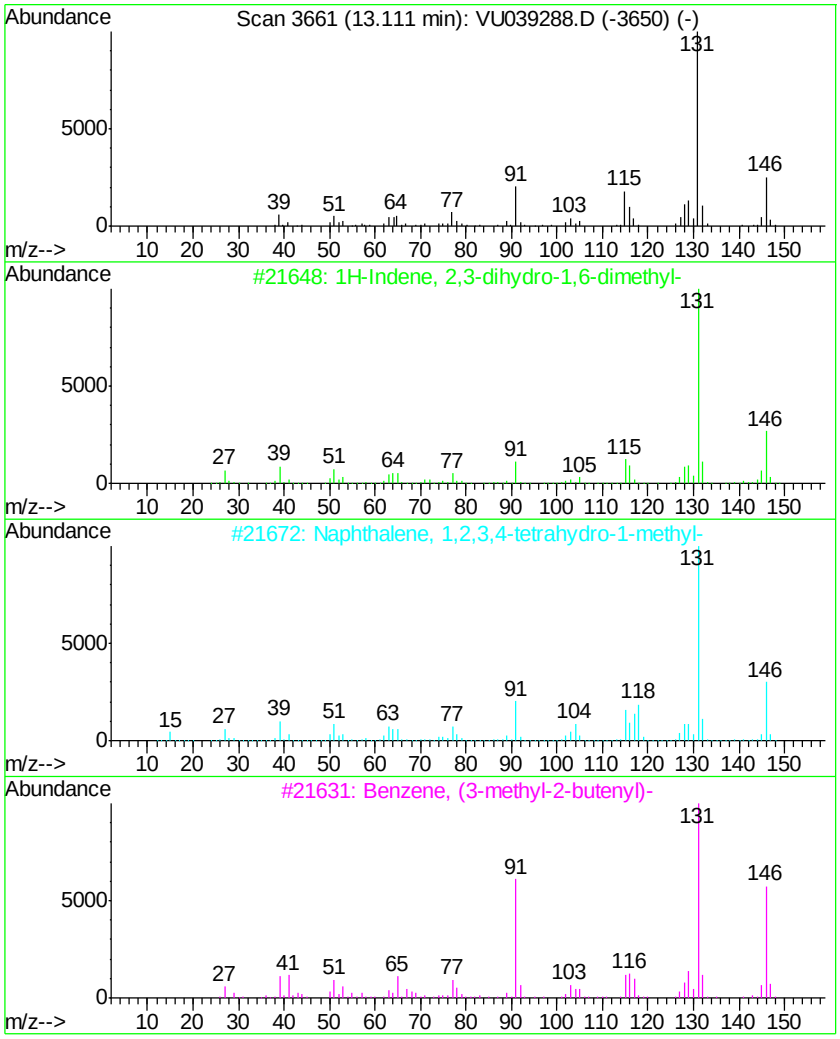
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

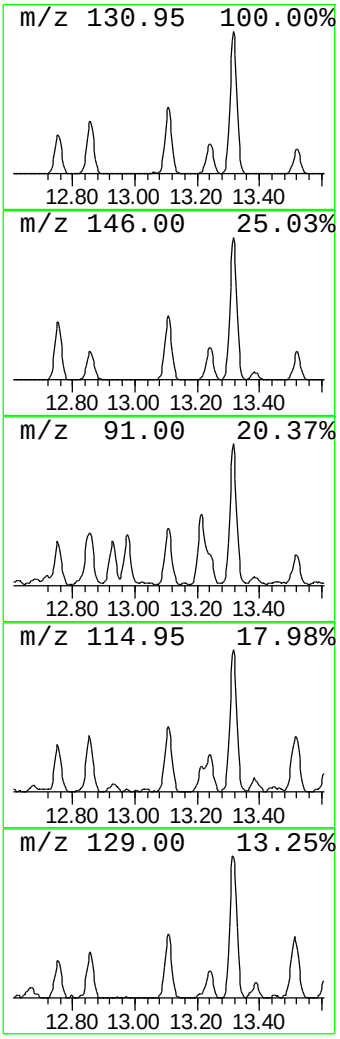
****

Peak Number 31 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	1.88 ug/L	147560	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	94
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

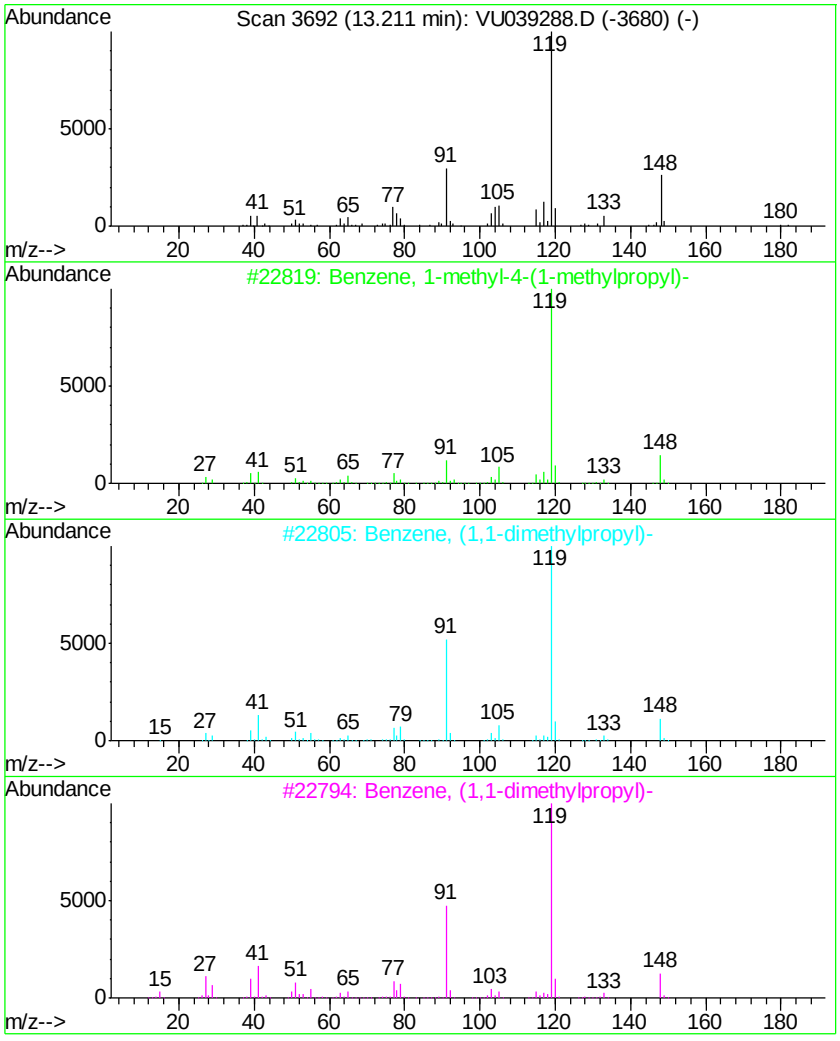
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

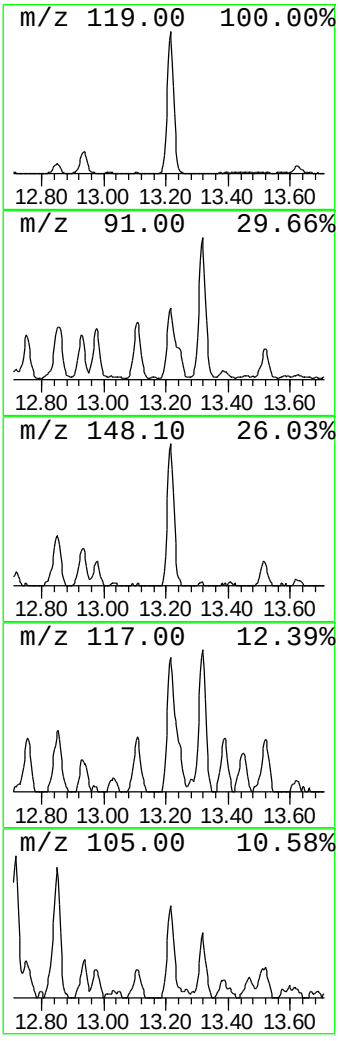
****

Peak Number 32 Benzene, 1-methyl-4-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	1.62 ug/L	127800	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	80
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	68
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

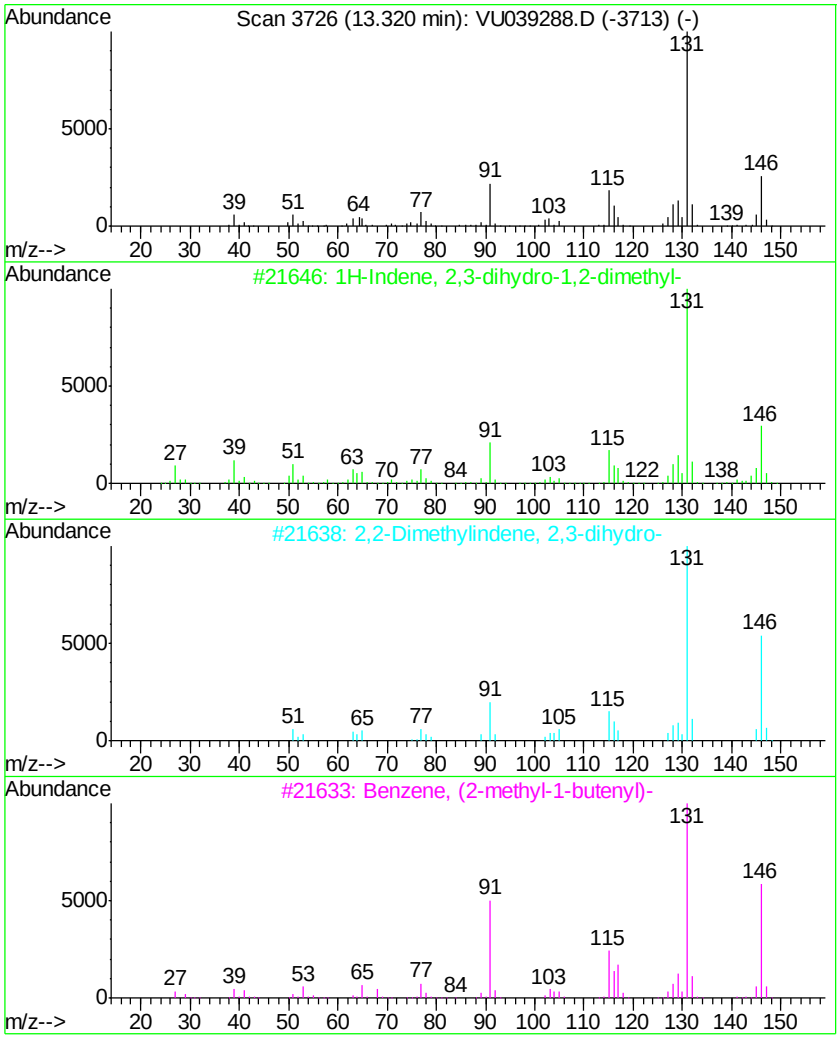
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

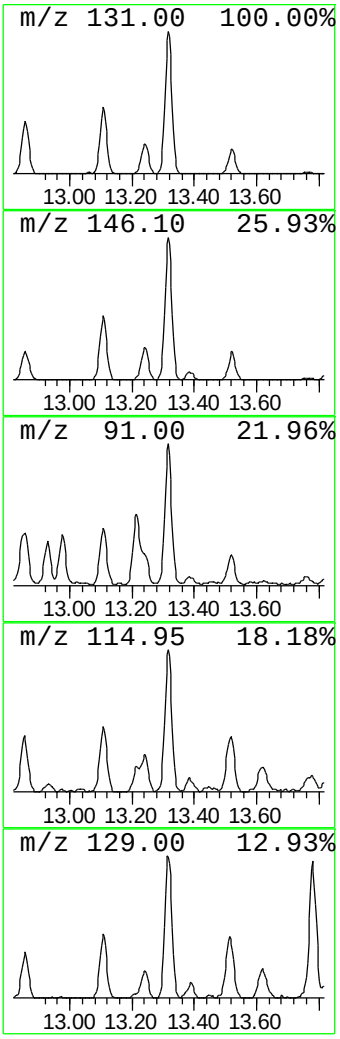
****

Peak Number 33 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	4.04 ug/L	317855	1,4-Dichlorobenzene-d4	11.81

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	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	94
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

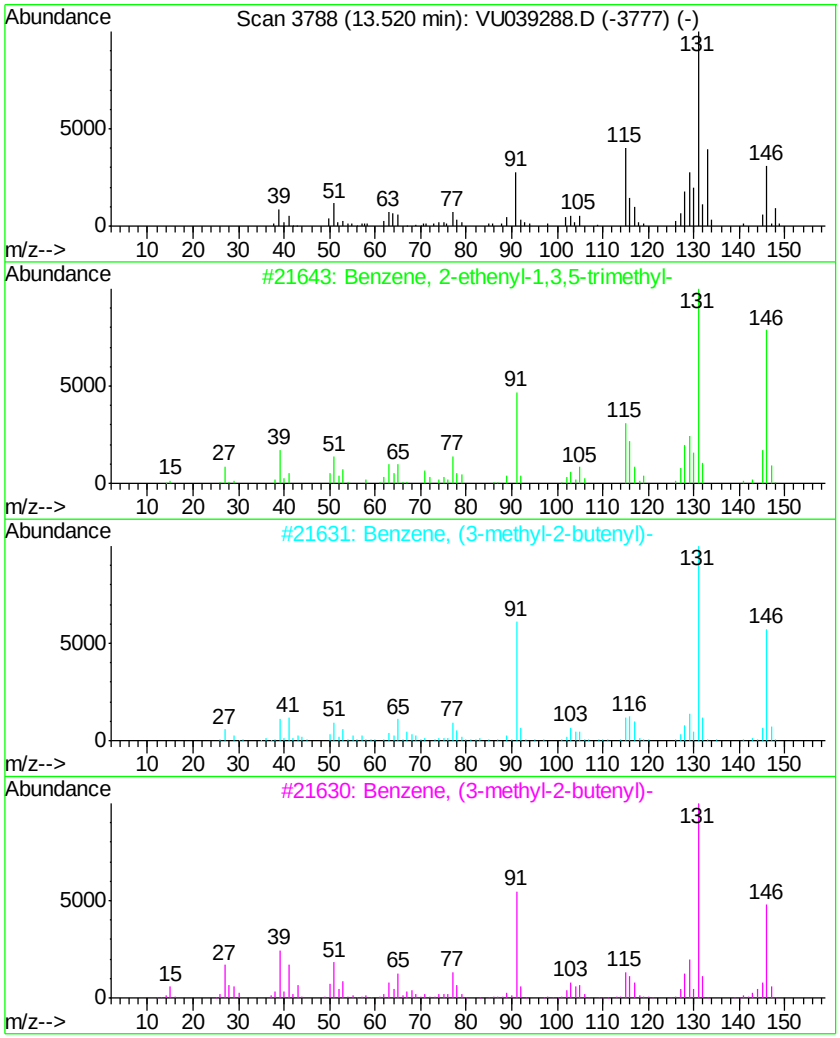
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

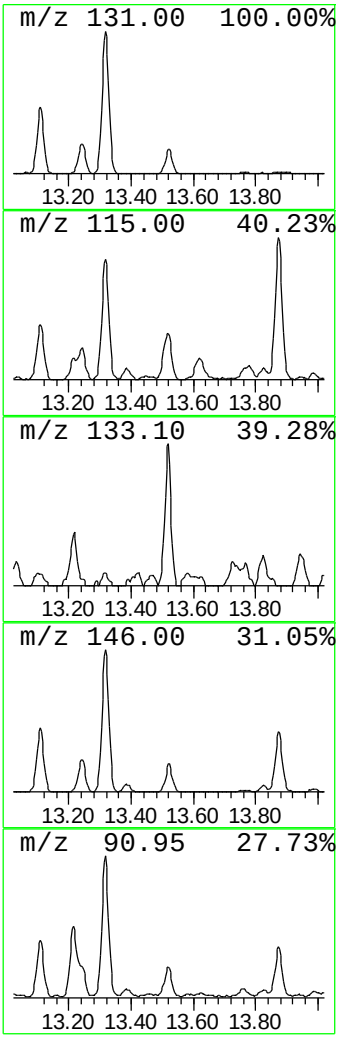
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	1.18 ug/L	93121	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	62
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	53
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	53
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

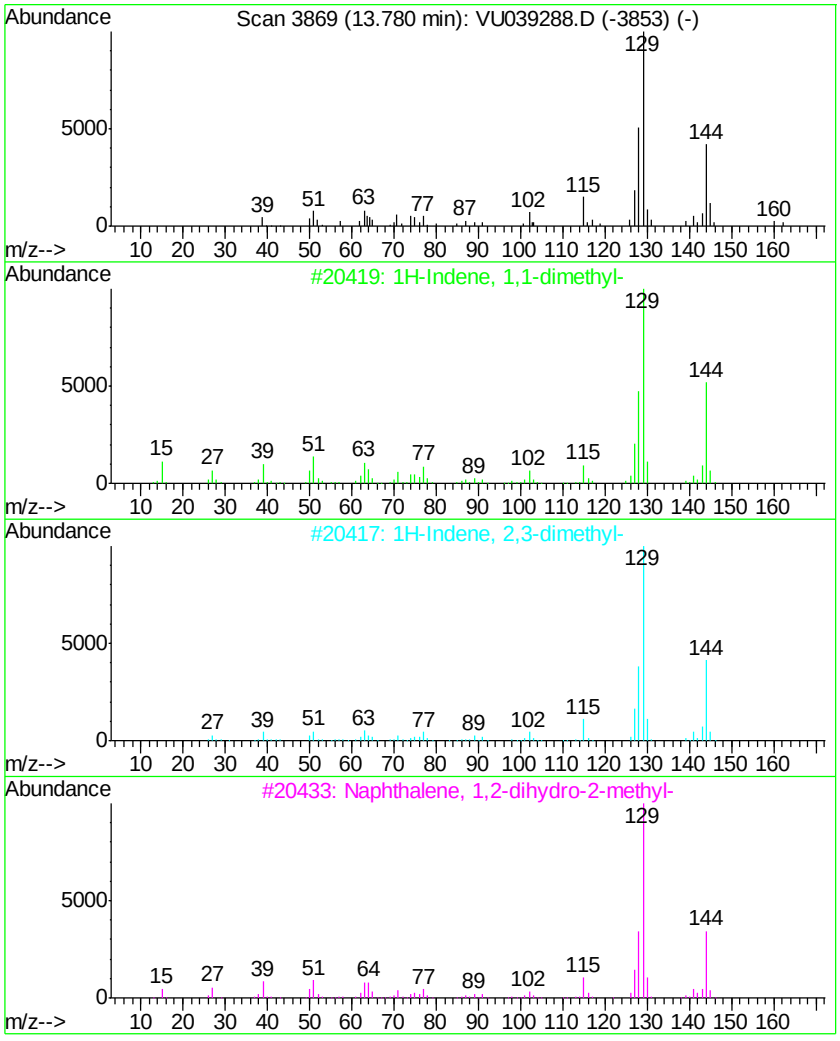
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

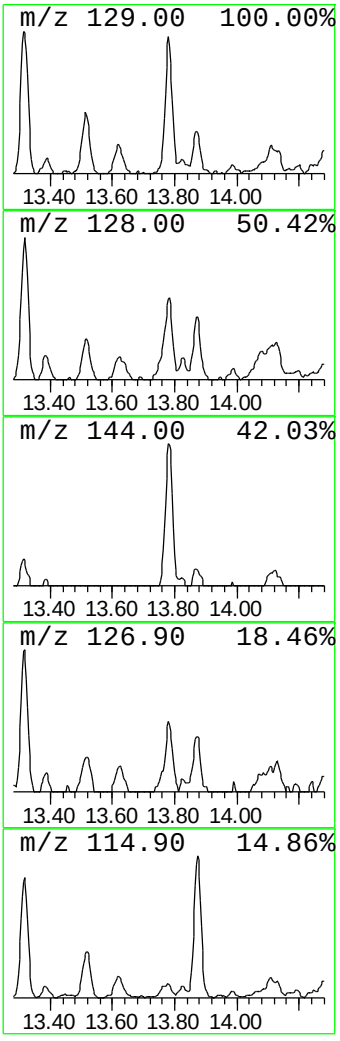
****

Peak Number 35 1H-Indene, 1,1-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	0.77 ug/L	60448	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	95
2	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	91
3	Naphthalene, 1,2-dihydro-2-methyl-	144	C11H12	021564-79-4	90
4	Benzene, (1-methyl-2-butynyl)-	144	C11H12	087712-69-4	87
5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

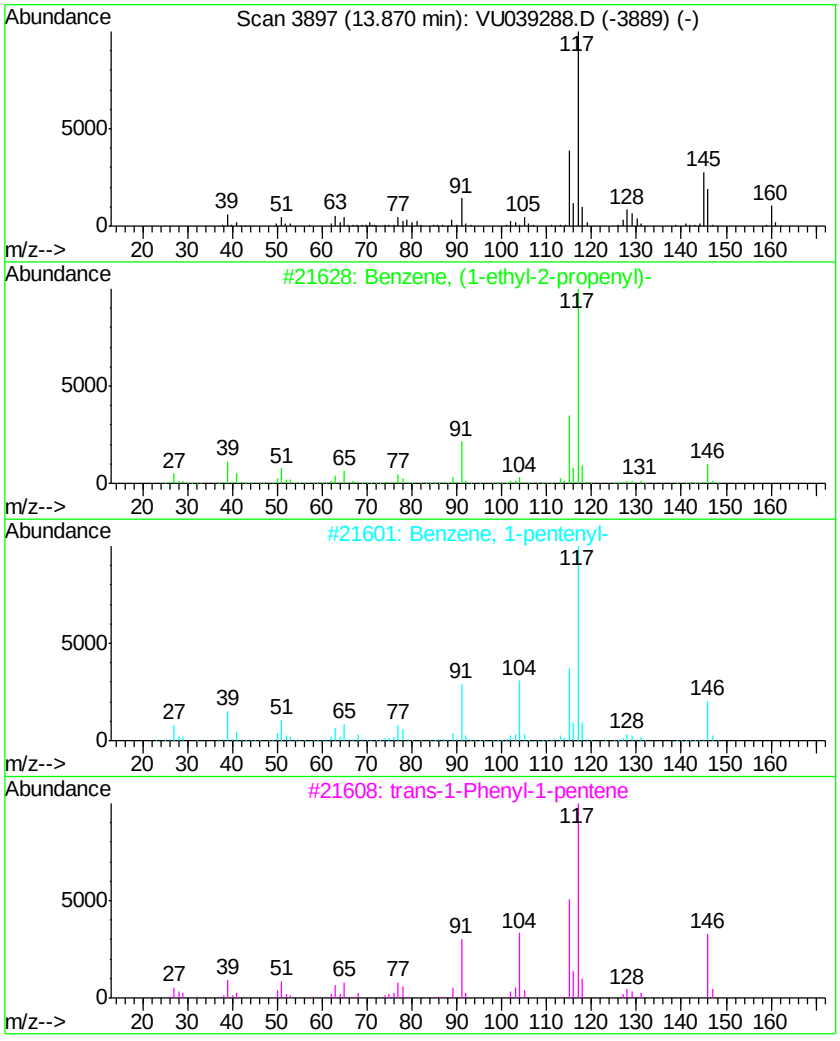
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

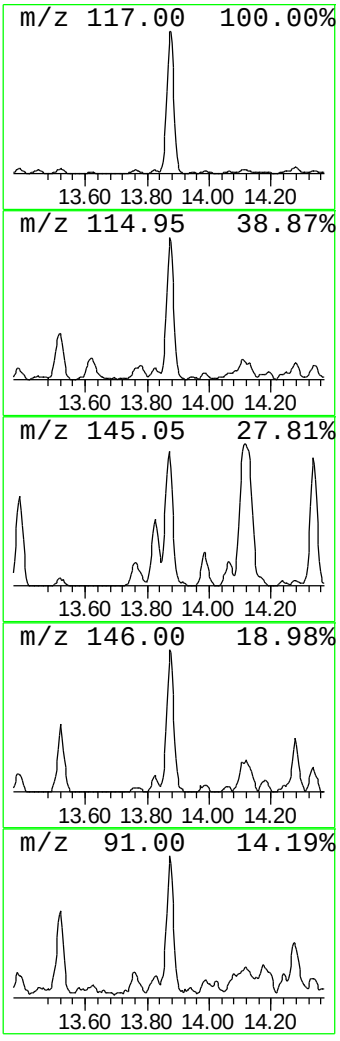
****

Peak Number 36 Benzene, (1-ethyl-2-propenyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.63 ug/L	206680	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	72
2	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	72
3	trans-1-Phenyl-1-pentene	146	C11H14	016002-93-0	64
4	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	58
5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	53





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Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

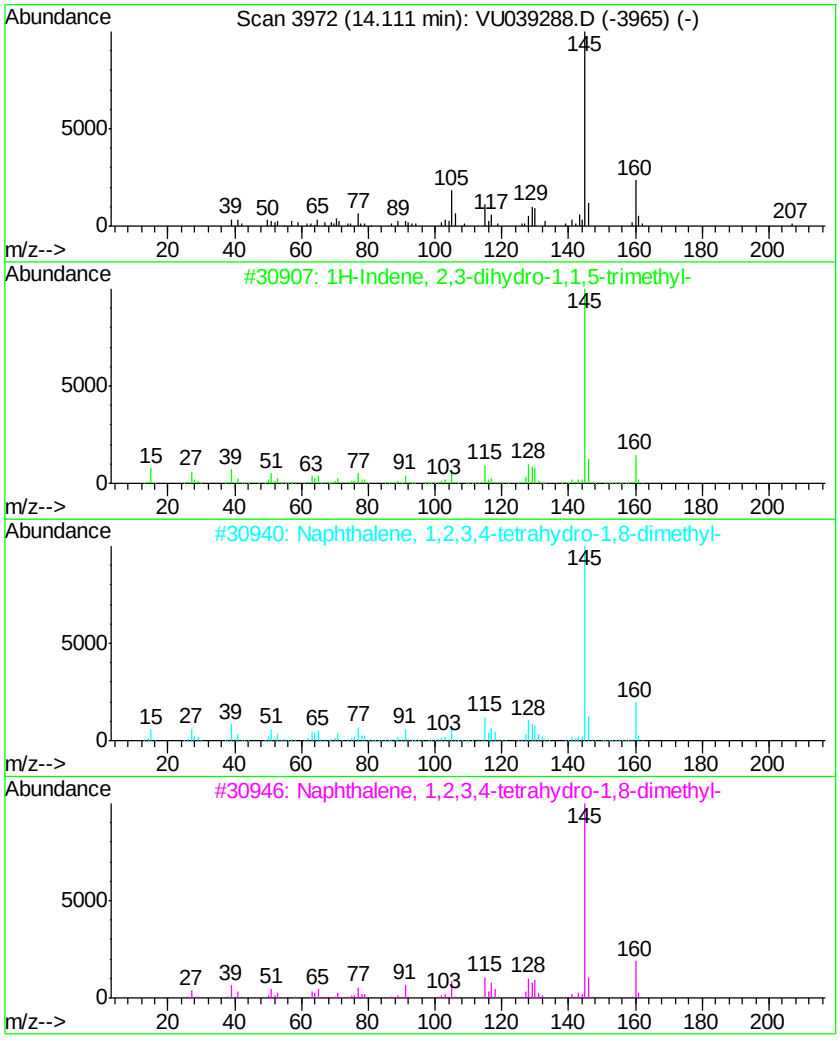
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

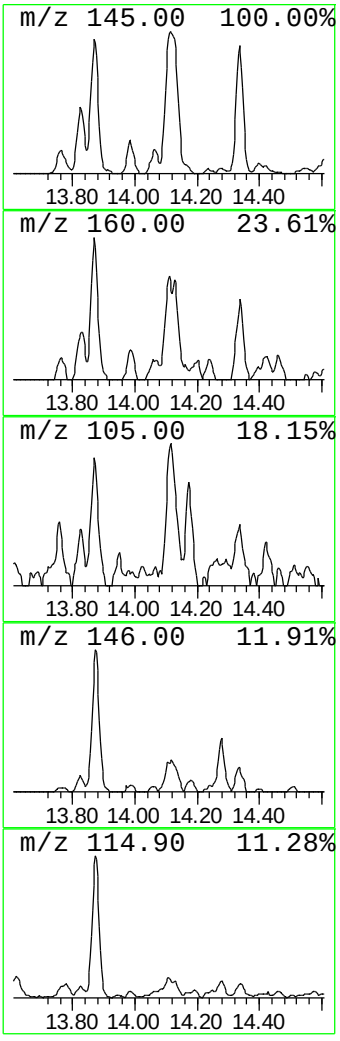
****

Peak Number 37 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	1.01 ug/L	79256	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	86
5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

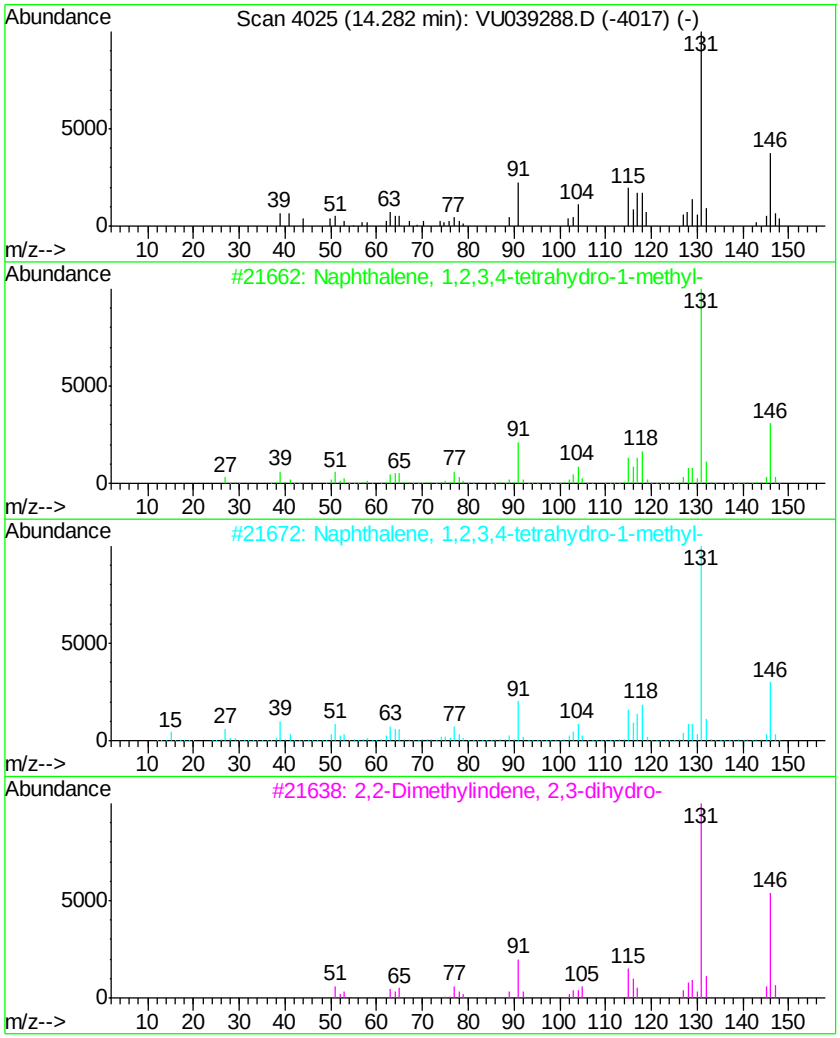
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

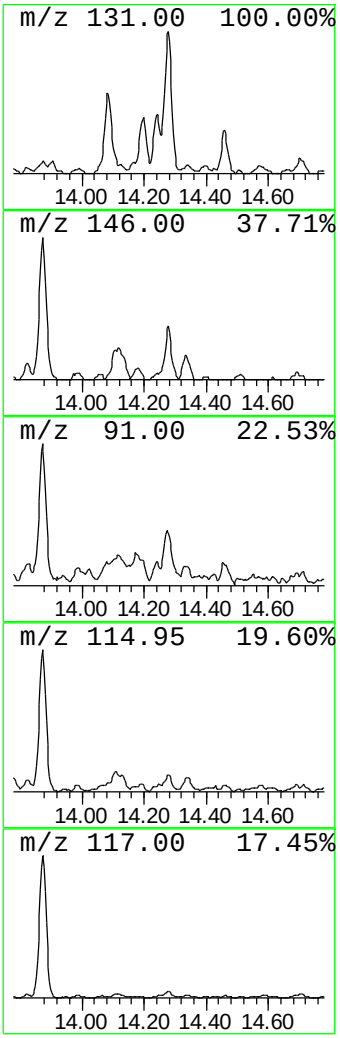
****

Peak Number 38 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	0.65 ug/L	51435	1,4-Dichlorobenzene-d4	11.81

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	94
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0

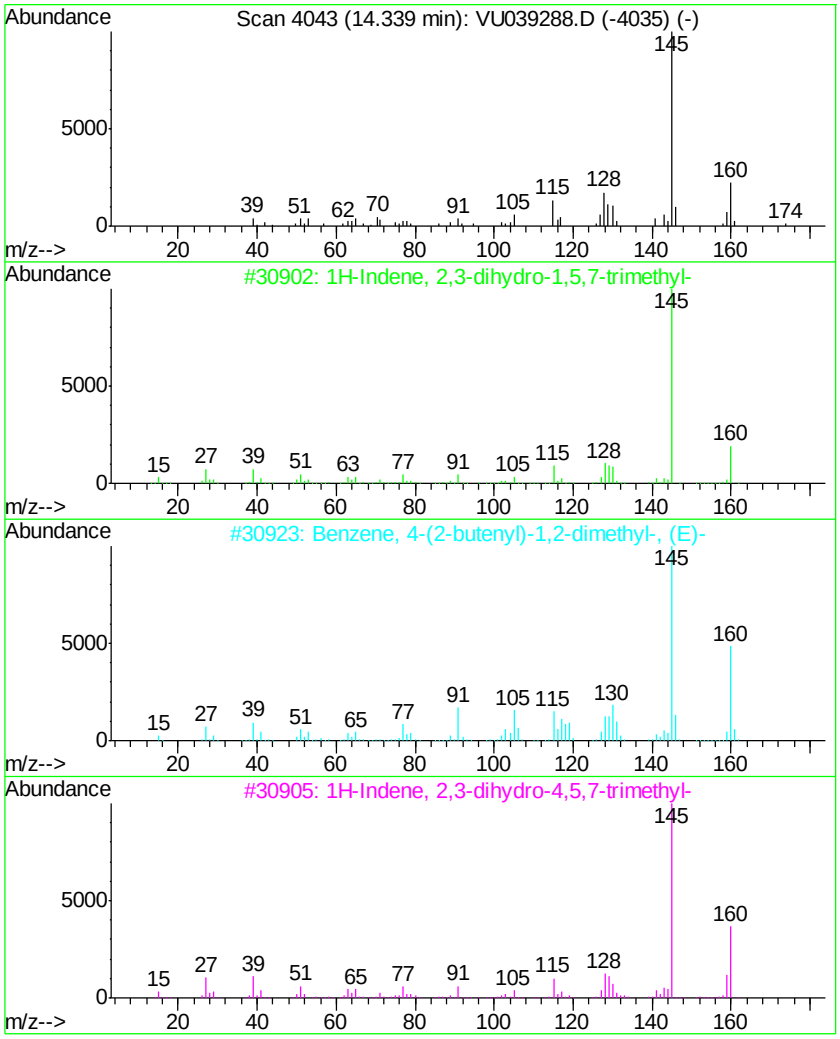
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

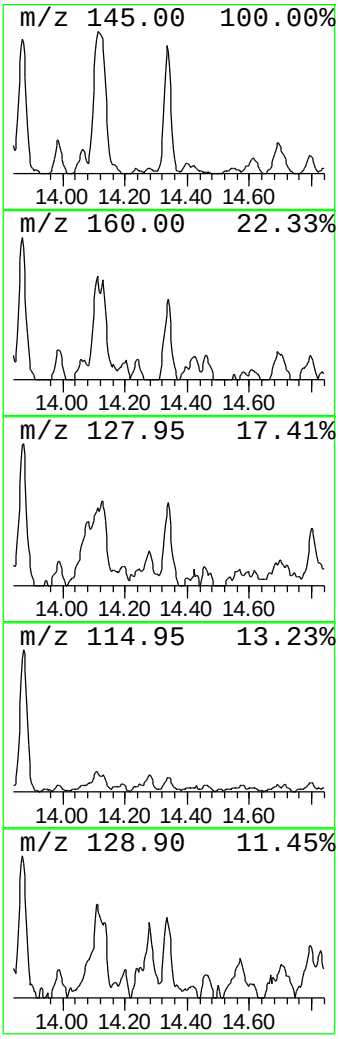
****

Peak Number 39 1H-Indene, 2,3-dihydro-1,5,... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	0.60 ug/L	47319	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	93
2	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	91
3	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	90
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	90
5	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
Data File : VU039288.D
Acq On : 06 Jul 2020 14:05
Operator : SY/MD
Sample : L3193-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4296

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.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	3.5	ug/L	216030	1	6.27	307101	5.0
(DEL) Alkane: Str...	4.00	0.7	ug/L	43744	1	6.27	307101	5.0
(DEL) Alkane: Str...	4.36	0.5	ug/L	30736	1	6.27	307101	5.0
(DEL) Alkane: Cyc...	4.55	1.0	ug/L	62604	1	6.27	307101	5.0
(DEL) Alkane: Str...	5.48	1.0	ug/L	59441	1	6.27	307101	5.0
(DEL) Alkane: Str...	5.99	0.6	ug/L	36036	1	6.27	307101	5.0
(DEL) Alkane: Str...	6.57	0.7	ug/L	42510	1	6.27	307101	5.0
Cyclohexene, 3-me...	7.17	1.3	ug/L	76550	1	6.27	307101	5.0
(DEL) Alkane: Str...	7.26	0.7	ug/L	42938	1	6.27	307101	5.0
(DEL) Alkane: Str...	7.39	1.5	ug/L	93920	1	6.27	307101	5.0
(DEL) Alkane: Cyc...	8.05	0.8	ug/L	61611	2	9.42	383730	5.0
(DEL) Alkane: Cyc...	8.25	1.0	ug/L	75291	2	9.42	383730	5.0
(DEL) Alkane: Cyc...	8.38	0.8	ug/L	59792	2	9.42	383730	5.0
Cyclopentene, 1,2...	8.42	2.1	ug/L	157842	2	9.42	383730	5.0
Bicyclo[3.1.0]hex...	8.71	0.9	ug/L	71299	2	9.42	383730	5.0
Cyclohexene, 1,6-...	9.08	1.3	ug/L	99392	2	9.42	383730	5.0
cis-Bicyclo[3.3.0...	9.33	0.5	ug/L	41409	2	9.42	383730	5.0
Cyclohexane, ethe...	9.69	1.4	ug/L	108455	2	9.42	383730	5.0
3-Oxatricyclo[4.2...	9.89	0.5	ug/L	41599	2	9.42	383730	5.0
2-Nonyne	10.03	0.6	ug/L	45317	2	9.42	383730	5.0
Norbornane	10.27	0.5	ug/L	40836	2	9.42	383730	5.0
1-Methyl-6-methyl...	10.69	0.5	ug/L	42322	3	11.81	393281	5.0
Benzene, tert-butyl-	11.41	0.5	ug/L	39763	3	11.81	393281	5.0
Adamantane	12.63	0.6	ug/L	48742	3	11.81	393281	5.0
2,2-Dimethylinden...	12.75	1.4	ug/L	112926	3	11.81	393281	5.0
1H-Indene, 2,3-di...	12.85	2.0	ug/L	160914	3	11.81	393281	5.0
Benzeneacetaldehy...	12.93	0.5	ug/L	40982	3	11.81	393281	5.0
Benzene, (3-methy...	12.98	0.5	ug/L	39437	3	11.81	393281	5.0
1H-Indene, 2,3-di...	13.11	1.9	ug/L	147560	3	11.81	393281	5.0
Benzene, 1-methyl...	13.21	1.6	ug/L	127800	3	11.81	393281	5.0
1H-Indene, 2,3-di...	13.32	4.0	ug/L	317855	3	11.81	393281	5.0
Benzene, 2-etheny...	13.52	1.2	ug/L	93121	3	11.81	393281	5.0
1H-Indene, 1,1-di...	13.78	0.8	ug/L	60448	3	11.81	393281	5.0
Benzene, (1-ethyl...	13.87	2.6	ug/L	206680	3	11.81	393281	5.0
1H-Indene, 2,3-di...	14.11	1.0	ug/L	79256	3	11.81	393281	5.0
Naphthalene, 1,2,...	14.28	0.7	ug/L	51435	3	11.81	393281	5.0
1H-Indene, 2,3-di...	14.34	0.6	ug/L	47319	3	11.81	393281	5.0