LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

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\SOMUTR050819WMA.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	1.283	53	60	71	rBV	211419	221067	3.97%	0.343%
2	1.396	89	95	103	rBV	148943	164152	2.95%	0.254%
3	1.662	171	178	193	rVB	138227	185156	3.32%	0.287%
4	2.267	356	366	378	rBV	271410	412932	7.41%	0.640%
5	2.733	504	511	524	rVB3	66671	128013	2.30%	0.198%
6	2.984	577	589	603	rVB	85685	182061	3.27%	0.282%
7	3.286	675	683	702	rVB3	33107	68709	1.23%	0.106%
8	4.077	913	929	949	rVB2	126223	327596	5.88%	0.508%
9	4.183	949	962	989	rBV	312241	859983	15.44%	1.333%
10	4.643	1088	1105	1122	rBV	253259	602320	10.81%	0.934%
11	4.981	1192	1210	1226	rBV3	255908	642838	11.54%	0.996%
12	5.067	1227	1237	1260	rVB7	61865	180449	3.24%	0.280%
13	5.212	1264	1282	1287	rBV4	84673	198994	3.57%	0.308%
14	5.331	1302	1319	1341	rVB2	470729	1314692	23.60%	2.038%
15	5.469	1348	1362	1374	rBV4	176495	394416	7.08%	0.611%
16	5.543	1374	1385	1396	rVV3	169061	378073	6.79%	0.586%
17	5.614	1396	1407	1431	rVB	223789	508699	9.13%	0.788%
18	5.881	1476	1490	1531	rBV	640035	1422909	25.54%	2.205%
19	6.325	1614	1628	1638	rBV	331251	669924	12.03%	1.038%
20	6.405	1638	1653	1669	rVB3	782891	1853491	33.27%	2.873%
21	6.633	1713	1724	1739	rVB3	76891	146739	2.63%	0.227%
22	6.733	1740	1755	1768	rVB5	71499	153003	2.75%	0.237%
23	6.817	1768	1781	1783	rBV3	46679	73698	1.32%	0.114%
24	6.897	1797	1806	1823	rVB6	75130	169556	3.04%	0.263%
25	7.061	1829	1857	1868	rBV5	49603	156006	2.80%	0.242%
26	7.225	1897	1908	1935	rBV4	178484	473784	8.50%	0.734%
27	7.424	1960	1970	1988	rVB8	59804	140135	2.52%	0.217%
28	7.524	1989	2001	2005	rBV2	356747	622857	11.18%	0.965%
29	7.559	2005	2012	2044	rVB2	742144	1463689	26.27%	2.269%
30	7.701	2044	2056	2065	rBV3	191195	400039	7.18%	0.620%
31	7.849	2092	2102	2111	rBV3	123898	217029	3.90%	0.336%
32	7.913	2111	2122	2142	rVB	358535	668865	12.01%	1.037%
33	8.042	2143	2162	2170	rBV2	224674	446530	8.02%	0.692%
34	8.090	2170	2177	2210	rVB	134681	326638	5.86%	0.506%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

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\SOMUTR050819WMA.M
Title : TRACE VOA SOM01.0

35	8.312	2235	2246	2261	rBV	1176547	2107740	37.84%	3.267%
36	8.482	2287	2299	2308	rVB3	145164	289446	5.20%	0.449%
37	8.540	2308	2317	2326	rBV2	146412	247099	4.44%	0.383%
38	8.601	2329	2336	2344	rVB2	111753	175234	3.15%	0.272%
39	8.755	2373	2384	2395	rBV6	83095	147639	2.65%	0.229%
40	8.845	2402	2412	2417	rBV2	69909	130382	2.34%	0.202%
41	9.003	2452	2461	2474	rVB4	68422	117124	2.10%	0.182%
42	9.087	2475	2487	2499	rBV	930542	1578228	28.33%	2.446%
43	9.183	2508	2517	2529	rVB	255453	449342	8.07%	0.696%
44	9.244	2531	2536	2558	rVB7	45496	105749	1.90%	0.164%
45	9.357	2559	2571	2592	rBV5	210256	540360	9.70%	0.838%
46	9.566	2625	2636	2653	rVB3	87001	174490	3.13%	0.270%
47	9.739	2665	2690	2701	rBV6	143379	467349	8.39%	0.724%
48	9.804	2702	2710	2728	rVB6	33356	97016	1.74%	0.150%
49	9.916	2733	2745	2747	rBV7	44857	78749	1.41%	0.122%
50	9.948	2749	2755	2774	rVB2	124845	212238	3.81%	0.329%
51	10.041	2774	2784	2802	rBV7	84894	182602	3.28%	0.283%
52	10.160	2811	2821	2832	rBV	1004448	1618331	29.05%	2.508%
53	10.369	2876	2886	2894	rBV4	100992	167294	3.00%	0.259%
54	10.427	2894	2904	2916	rVV	317747	567229	10.18%	0.879%
55	10.488	2916	2923	2932	rVB7	72423	114062	2.05%	0.177%
56	10.582	2941	2952	2978	rBV	2064427	3228550	57.96%	5.004%
57	10.694	2980	2987	2998	rVB8	44907	85603	1.54%	0.133%
58	10.971	3063	3073	3093	rVB2	177897	336058	6.03%	0.521%
59	11.096	3103	3112	3121	rVV3	96524	146223	2.62%	0.227%
60	11.286	3159	3171	3176	rBV	268714	426562	7.66%	0.661%
61	11.318	3176	3181	3197	rVB	302855	483991	8.69%	0.750%
62	11.479	3221	3231	3251	rBV	982269	1622326	29.12%	2.515%
63	11.566	3251	3258	3268	rVB2	58188	87081	1.56%	0.135%
64	11.685	3284	3295	3307	rVB	283439	449648	8.07%	0.697%
65	11.768	3307	3321	3337	rBV3	2155160	4520376	81.15%	7.006%
66	11.858	3338	3349	3374	rVV4	1156143	2267274	40.70%	3.514%
67	11.977	3375	3386	3400	rVV	369199	595414	10.69%	0.923%
68	12.051	3402	3409	3420	rVB	54916	85838	1.54%	0.133%
69	12.141	3429	3437	3449	rVB	138910	208878	3.75%	0.324%
70	12.247	3456	3470	3476	rBV	1405878	2191093	39.33%	3.396%
71	12.283	3476	3481	3491	rVV	826512	1227438	22.03%	1.902%

LSC Area Percent Report

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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

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\SOMUTR050819WMA.M
Title : TRACE VOA SOM01.0

72	12.350	3491	3502	3523	rVV2	2345412	4472561	80.29%	6.932%
73	12.427	3523	3526	3534	rVV3	57436	78984	1.42%	0.122%
74	12.488	3536	3545	3550	rVV5	63297	117287	2.11%	0.182%
75	12.533	3551	3559	3574	rVB2	288463	491036	8.81%	0.761%
76	12.646	3576	3594	3606	rBV	1161968	1898449	34.08%	2.943%
77	12.717	3608	3616	3626	rVB6	68280	116472	2.09%	0.181%
78	12.784	3627	3637	3653	rBV3	258501	417587	7.50%	0.647%
79	12.877	3657	3666	3671	rBV2	68816	116125	2.08%	0.180%
80	12.919	3672	3679	3683	rVV2	129604	208648	3.75%	0.323%
81	12.961	3683	3692	3718	rVB	1033310	1831025	32.87%	2.838%
82	13.119	3727	3741	3753	rBV2	3609013	5570663	100.00%	8.634%
83	13.186	3756	3762	3772	rVB5	121798	212517	3.81%	0.329%
84	13.286	3772	3793	3820	rVB3	487468	982553	17.64%	1.523%
85	13.405	3820	3830	3836	rBV3	93270	161783	2.90%	0.251%
86	13.450	3836	3844	3853	rVB	210758	318006	5.71%	0.493%
87	13.504	3853	3861	3869	rBV2	321156	482409	8.66%	0.748%
88	13.575	3870	3883	3886	rVV3	188040	358397	6.43%	0.556%
89	13.604	3887	3892	3914	rVB2	402832	693841	12.46%	1.075%
90	13.739	3918	3934	3944	rBV	439074	778690	13.98%	1.207%
91	13.852	3962	3969	3981	rVB4	33770	56089	1.01%	0.087%
92	13.948	3992	3999	4007	rBV3	82200	134684	2.42%	0.209%
93	14.006	4012	4017	4030	rVB3	93934	158149	2.84%	0.245%
94	14.147	4049	4061	4078	rBV2	60334	130851	2.35%	0.203%
95	14.331	4109	4118	4131	rBV3	76801	158657	2.85%	0.246%
96	14.536	4174	4182	4197	rVB3	44439	77554	1.39%	0.120%
97	14.675	4216	4225	4237	rBV9	30345	61132	1.10%	0.095%
98	14.877	4277	4288	4318	rBV	176684	408032	7.32%	0.632%
99	15.061	4333	4345	4377	rBV	150894	320379	5.75%	0.497%

Sum of corrected areas: 64517658

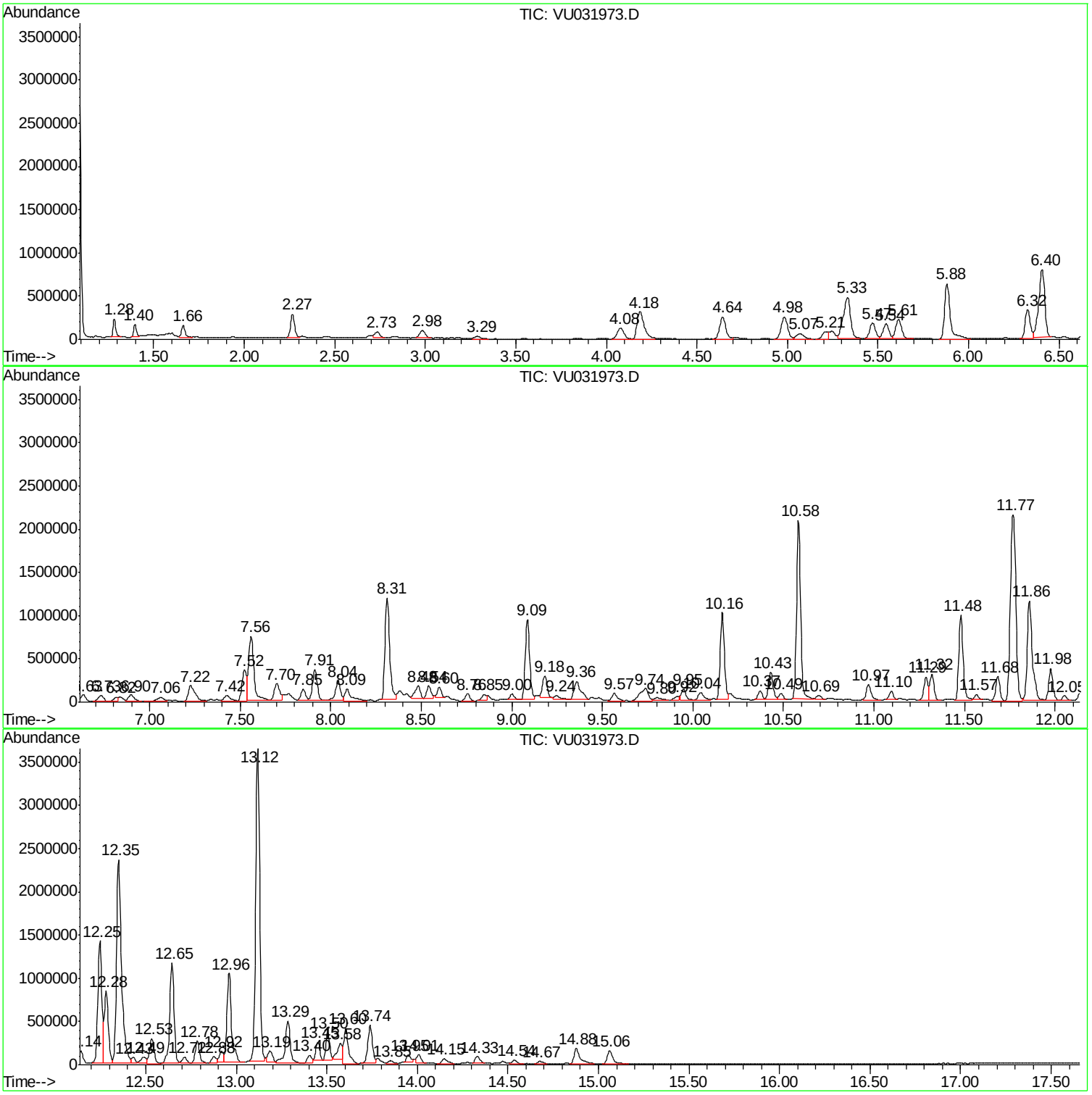
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.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\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

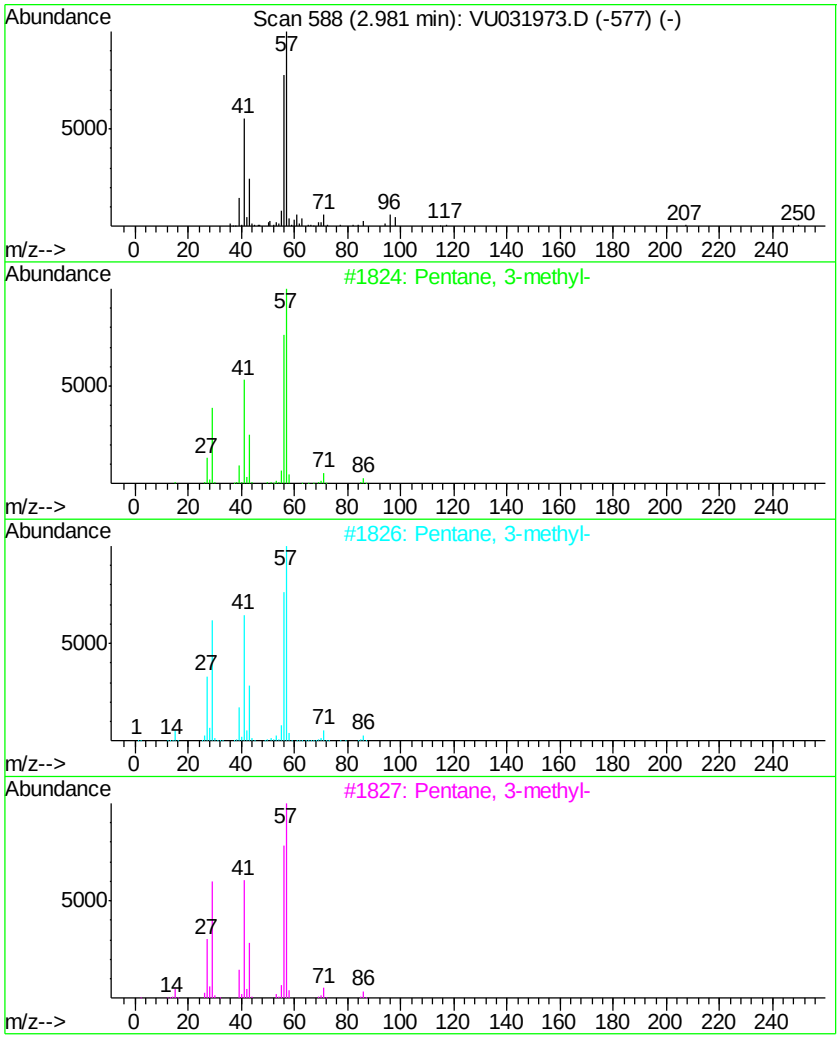
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

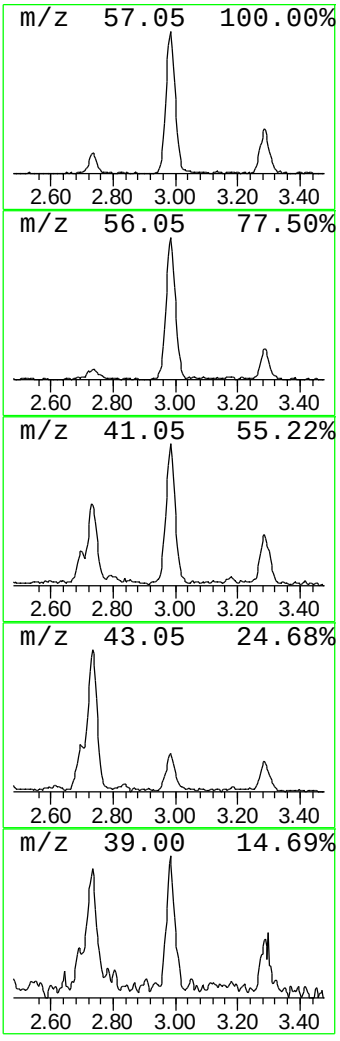
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	0.64 ug/L	182061	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	81
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	74
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	74
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	53
5	Butane, 1-chloro-	92	C4H9Cl	000109-69-3	50





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

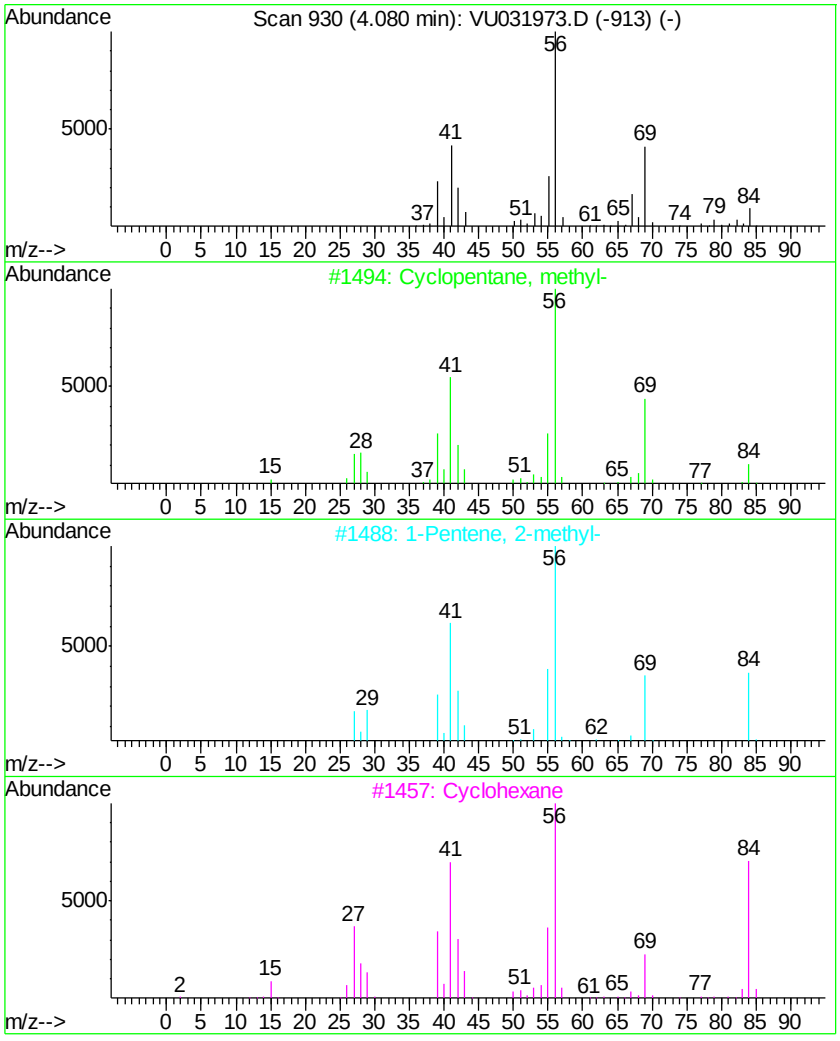
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

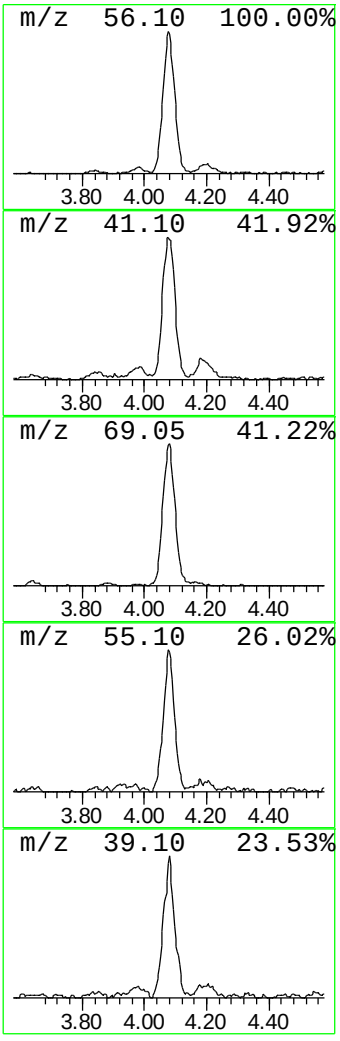
****

Peak Number 3 (DEL) Alkane: Cyclic4.08 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	1.15 ug/L	327596	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
3	Cyclohexane	84	C6H12	000110-82-7	72
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
5	Cyclohexane	84	C6H12	000110-82-7	64





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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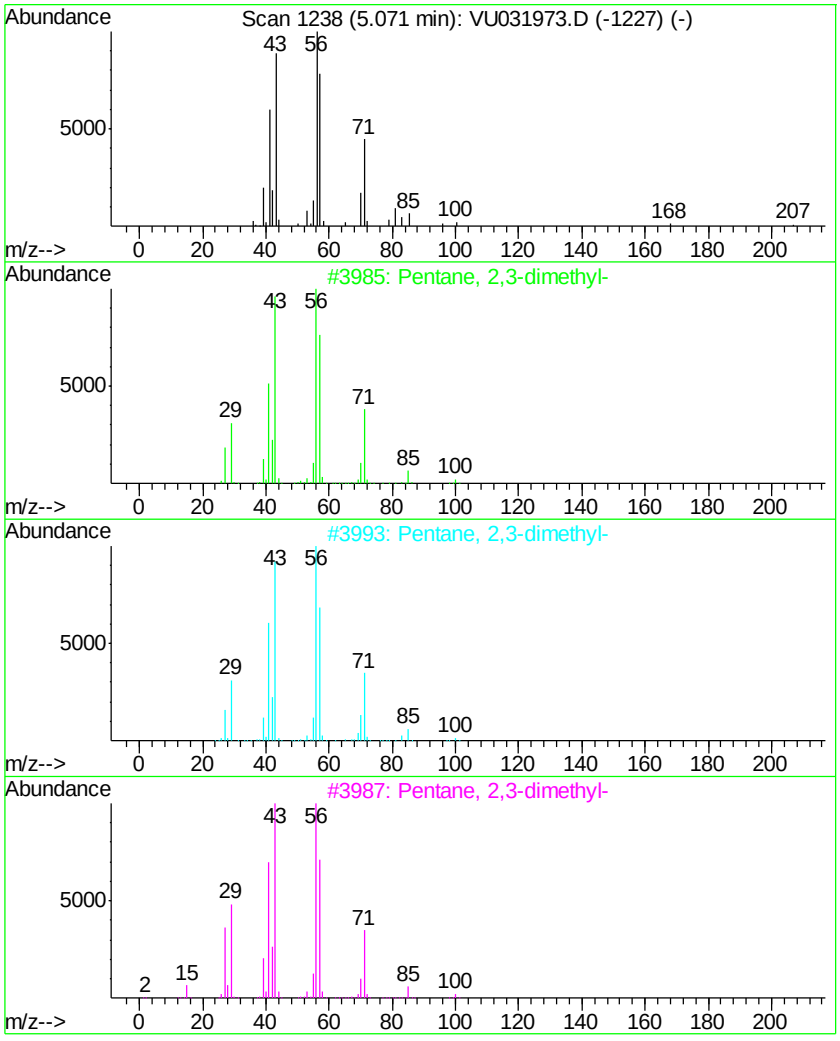
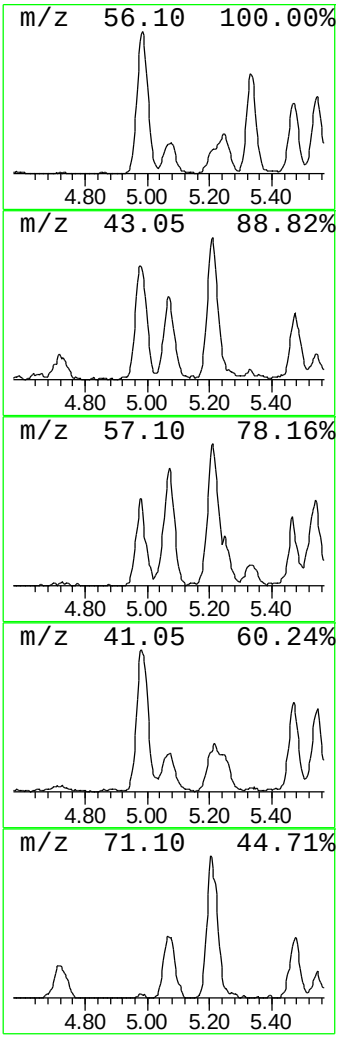
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	0.63 ug/L	180449	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	81
5	Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

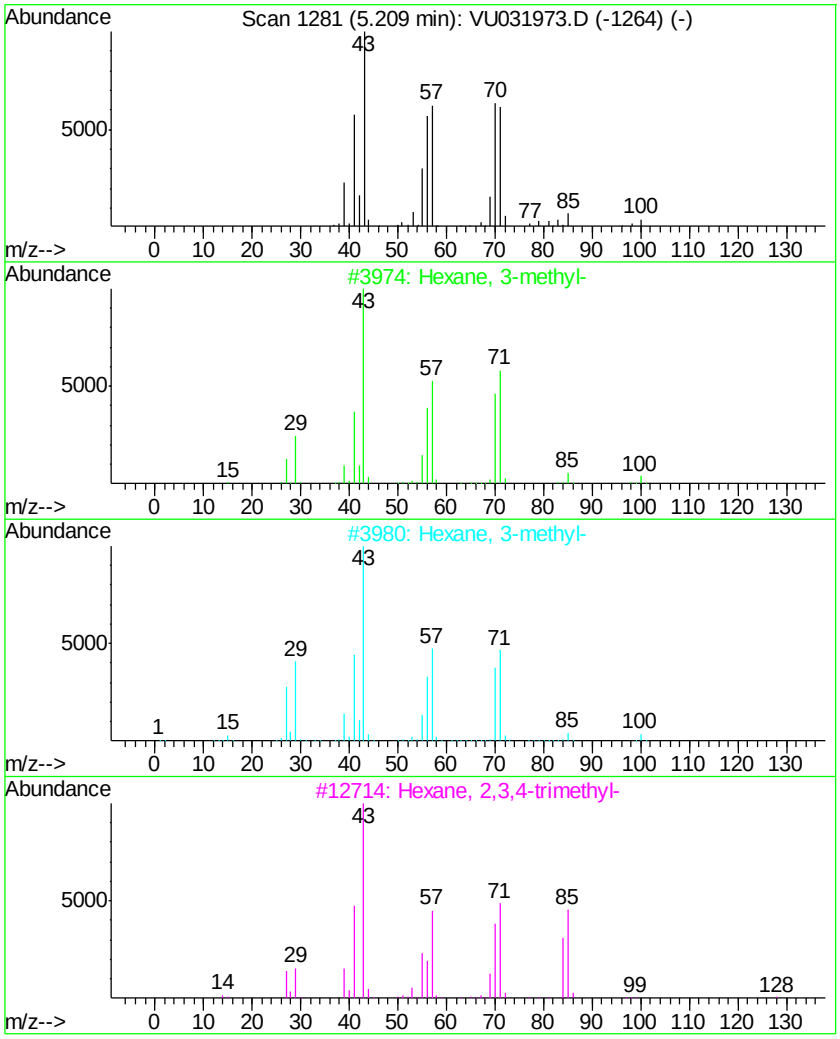
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

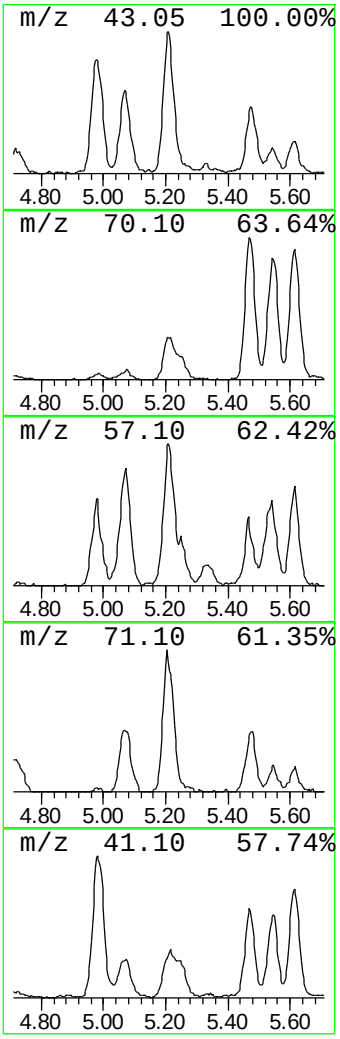
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	0.70 ug/L	198994	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	72
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	72
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

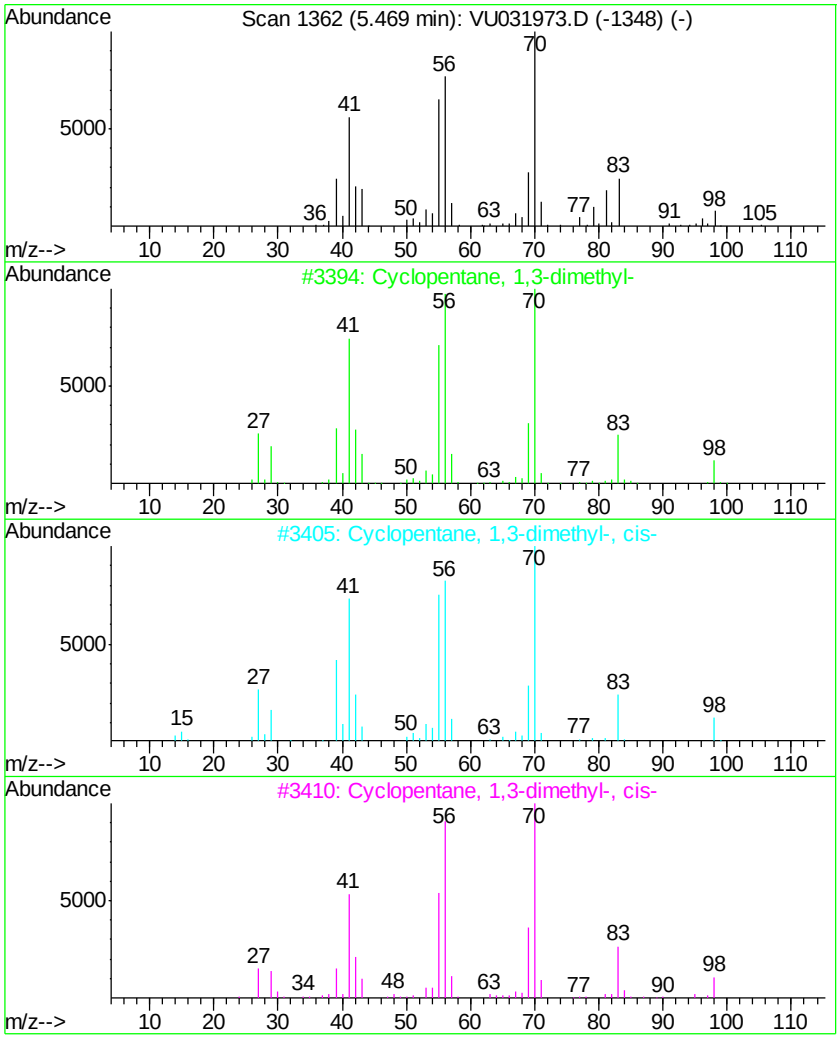
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

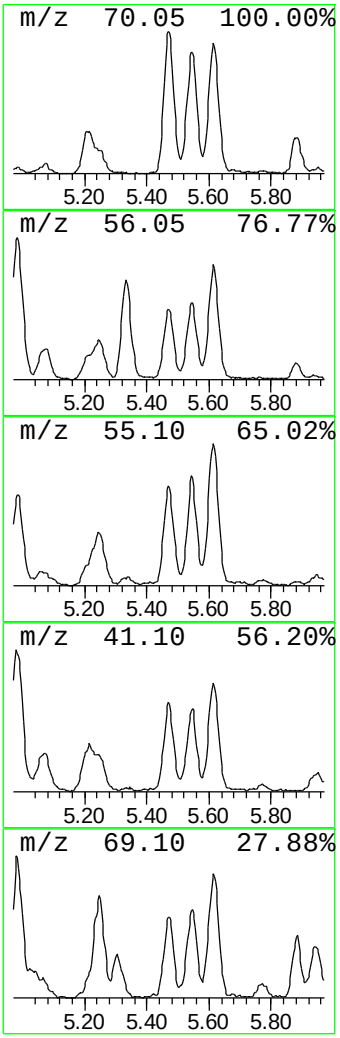
****

Peak Number 6 (DEL) Alkane: Cyclic5.47 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	1.39 ug/L	394416	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	87
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	81
5	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

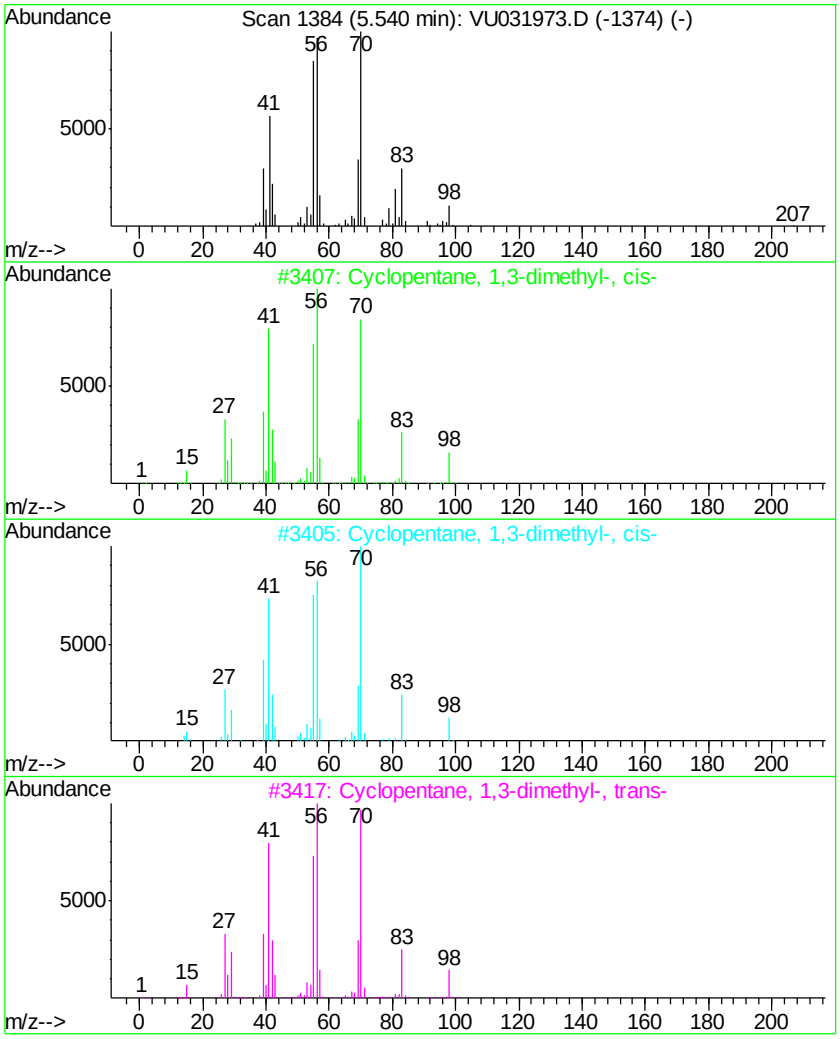
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

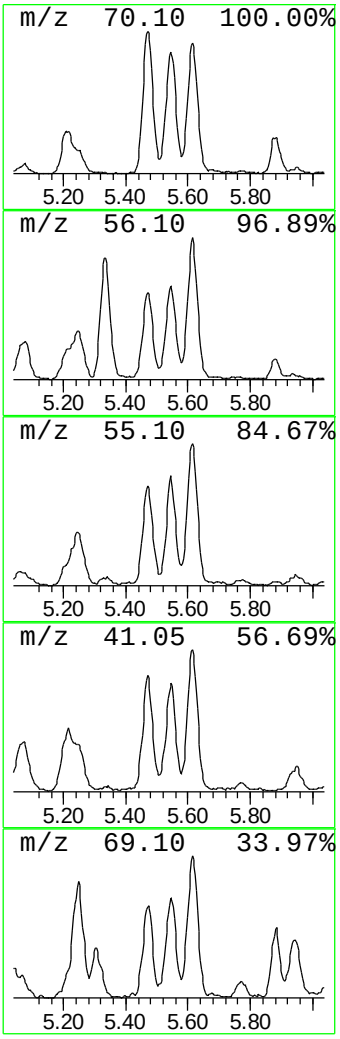
****

Peak Number 7 (DEL) Alkane: Cyclic5.54 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	1.33 ug/L	378073	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	93
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

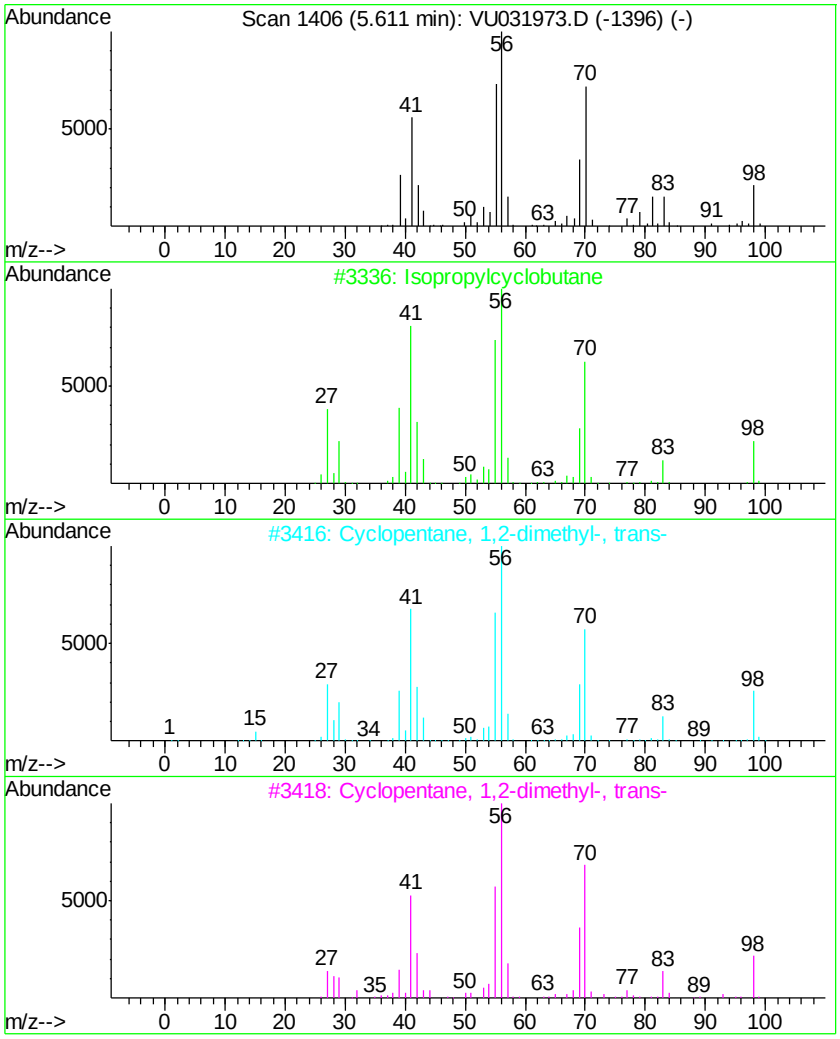
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

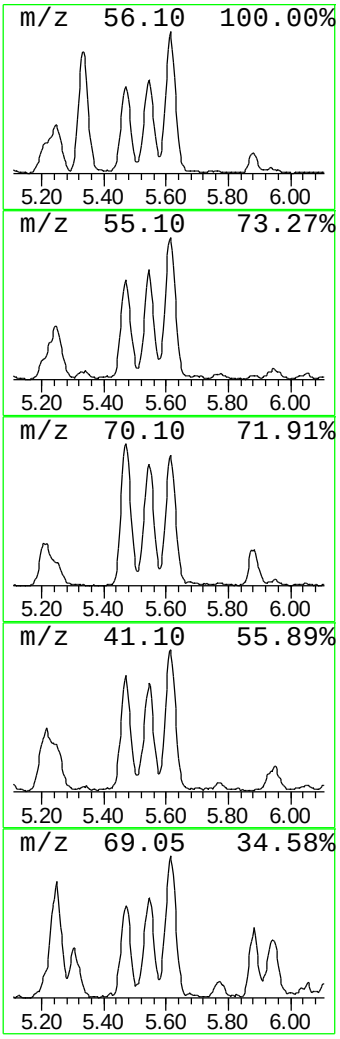
****

Peak Number 8 (DEL) Alkane: Cyclic5.61 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	1.79 ug/L	508699	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	93
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	81
5	3-Heptene	98	C7H14	000592-78-9	80





Library Search Compound Report

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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

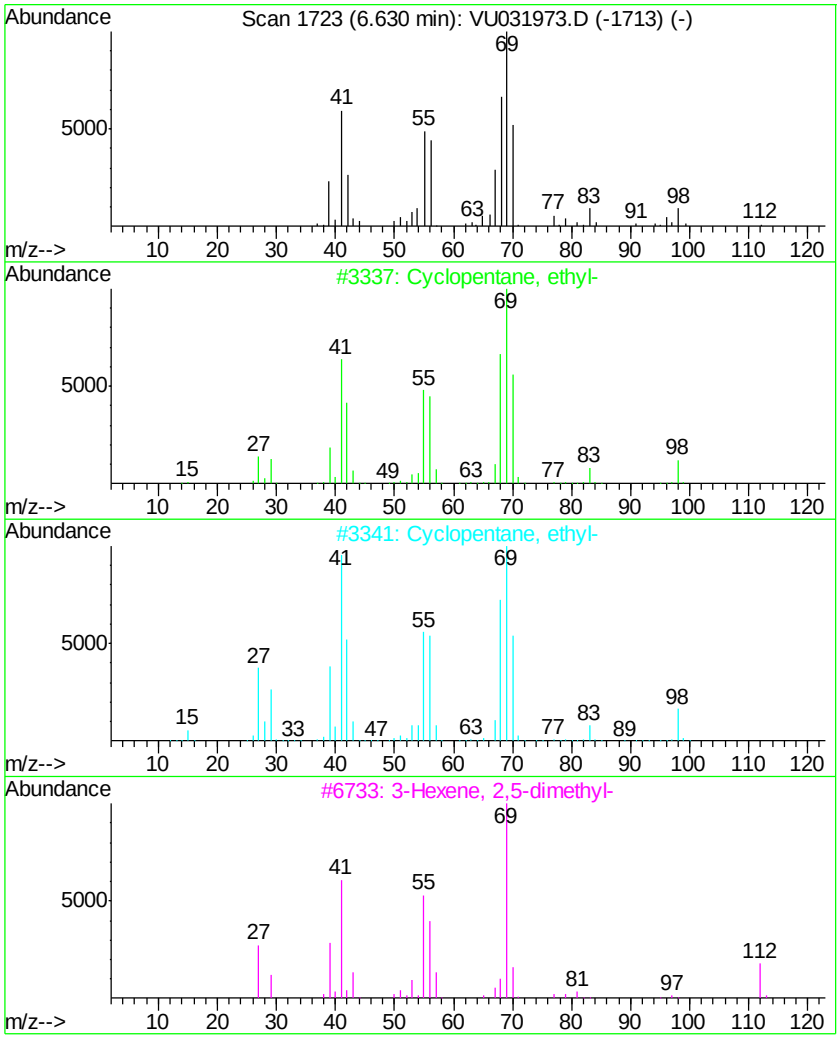
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

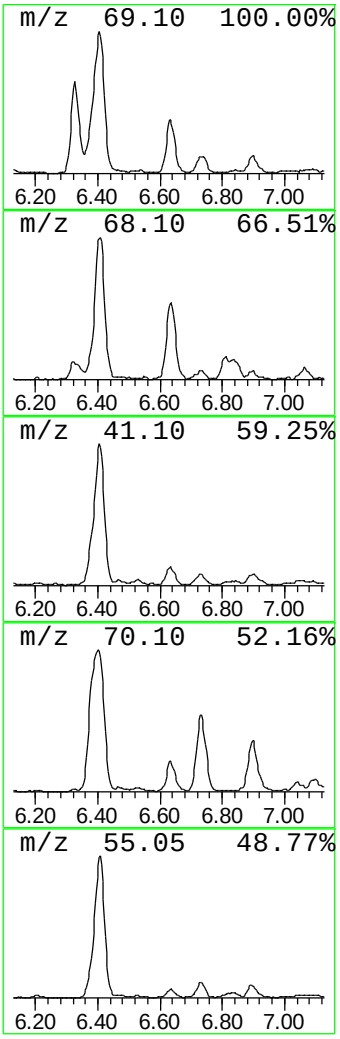
****

Peak Number 9 (DEL) Alkane: Cyclic6.63 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	0.52 ug/L	146739	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
3	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	46
4	3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	43
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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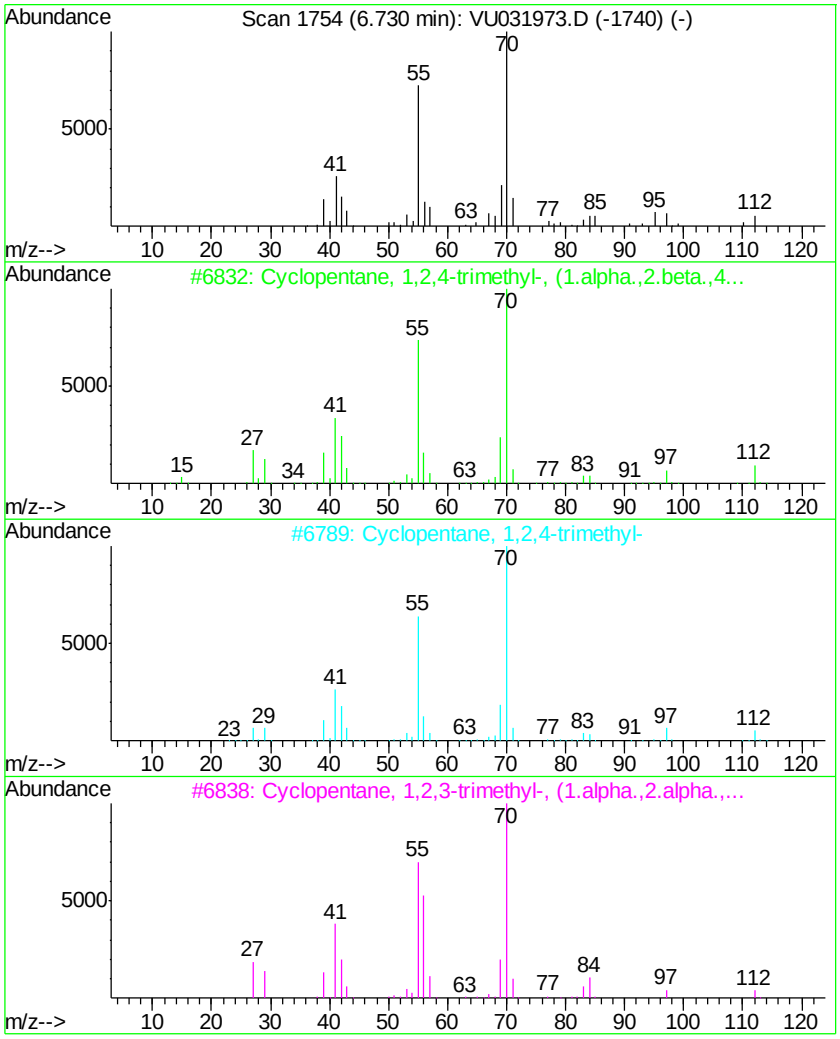
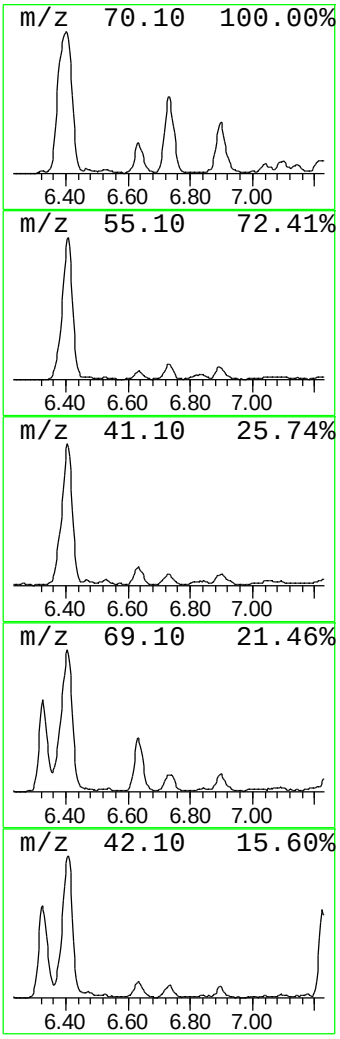
Peak Number 10 (DEL) Alkane: Cyclic6.73 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	0.54 ug/L	153003	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	74
4	Tridecane, 3-methylene-	196	C14H28	019780-34-8	72
5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	72





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

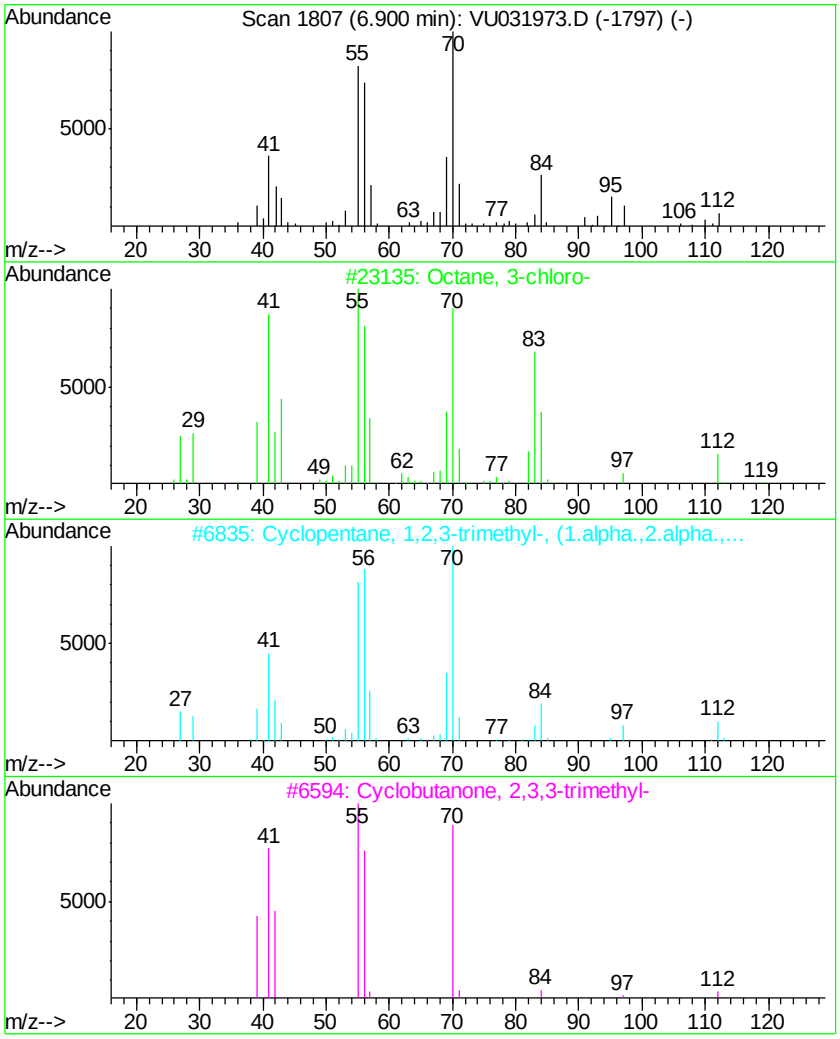
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

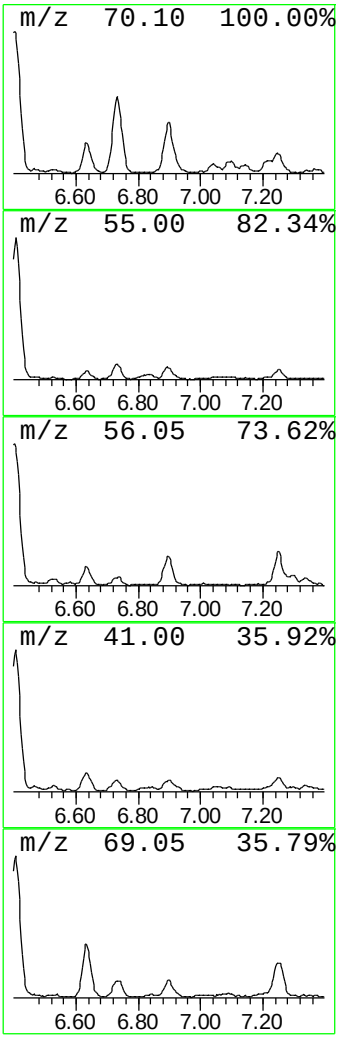
****

Peak Number 11 Octane, 3-chloro- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	0.60 ug/L	169556	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-chloro-	148	C8H17Cl	001117-79-9	78
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	72
3	Cyclobutanone, 2,3,3-trimethyl-	112	C7H12O	028290-01-9	64
4	Cyclooctane	112	C8H16	000292-64-8	53
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	49





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

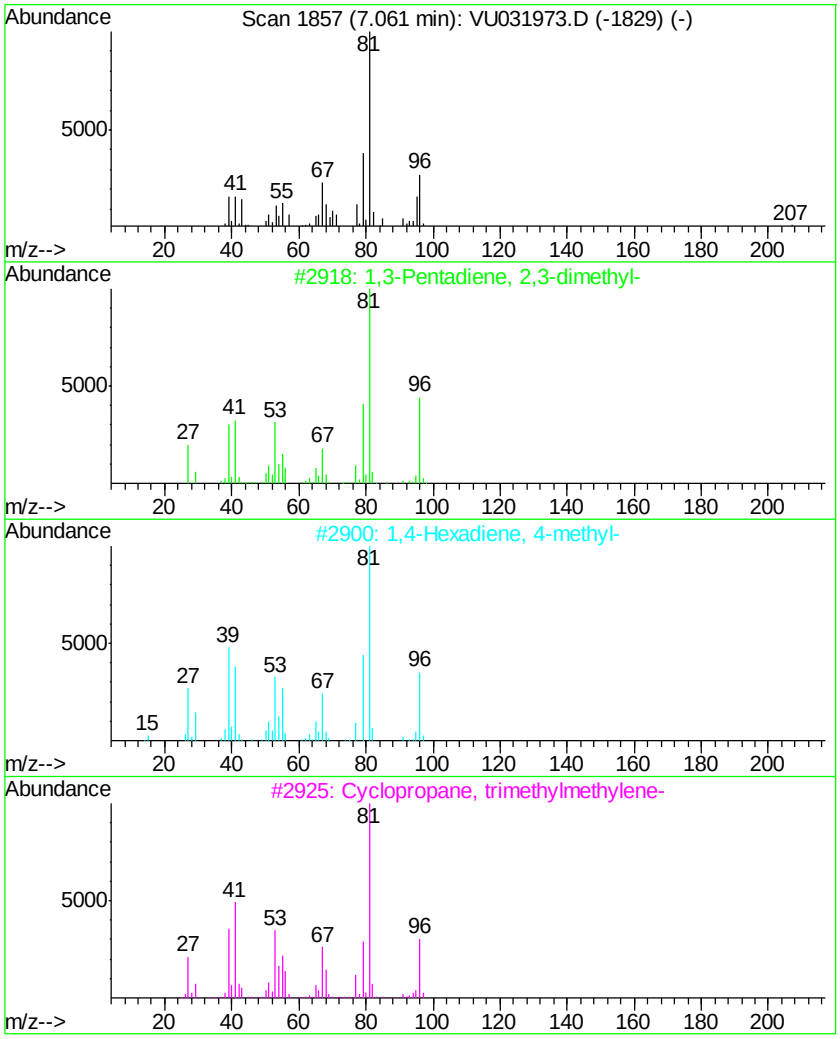
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

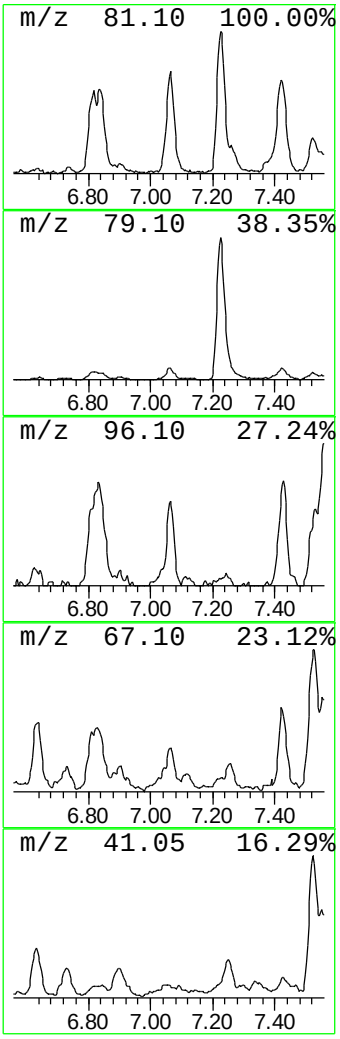
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1,3-Pentadiene, 2,3-dimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	0.55 ug/L	156006	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Pentadiene, 2,3-dimethyl-	96	C7H12	001113-56-0	83
2	1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	80
3	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	74
4	2-Pentyne, 4,4-dimethyl-	96	C7H12	000999-78-0	64
5	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	64





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

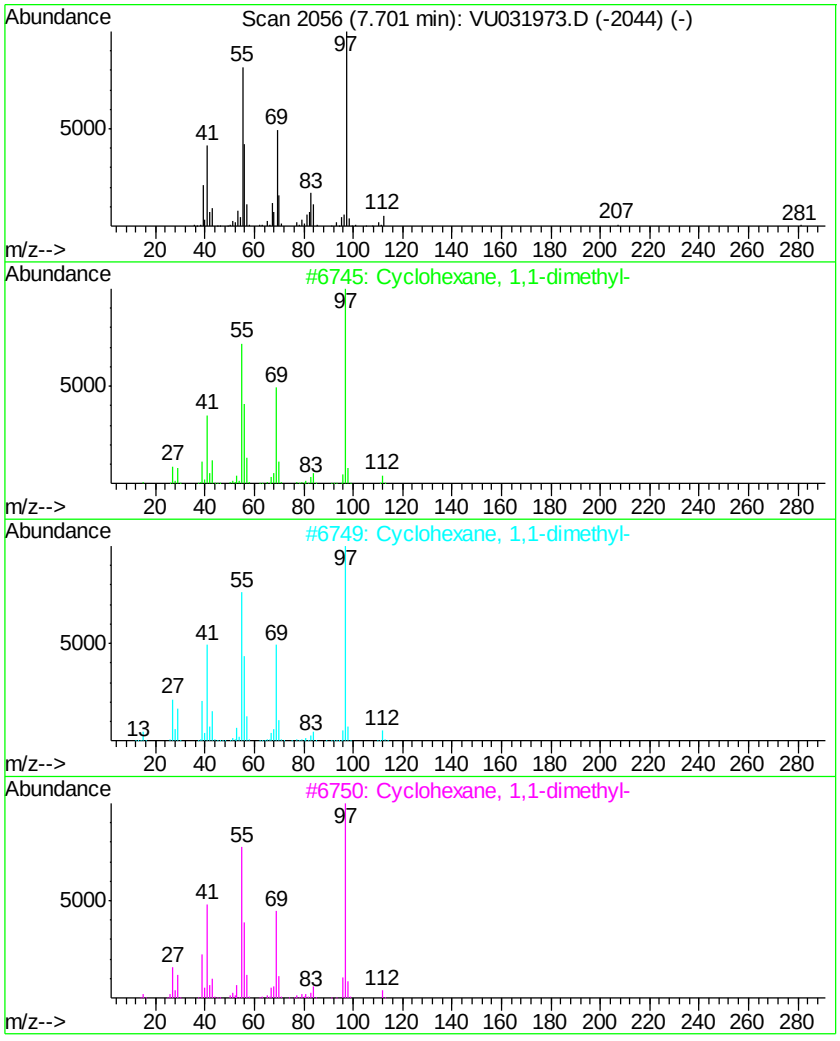
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

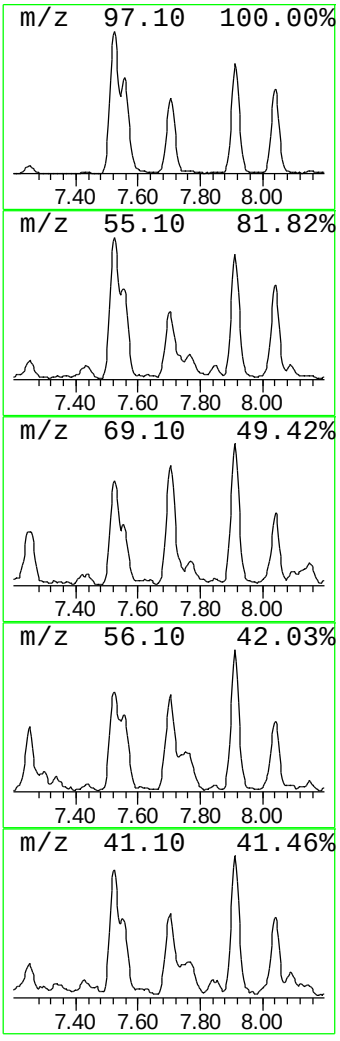
****

Peak Number 14 (DEL) Alkane: Cyclic7.70 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	1.27 ug/L	400039	Chlorobenzene-d5	9.09

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, 1,1-dimethyl-	112	C8H16	000590-66-9	87
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	80
5	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	59





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

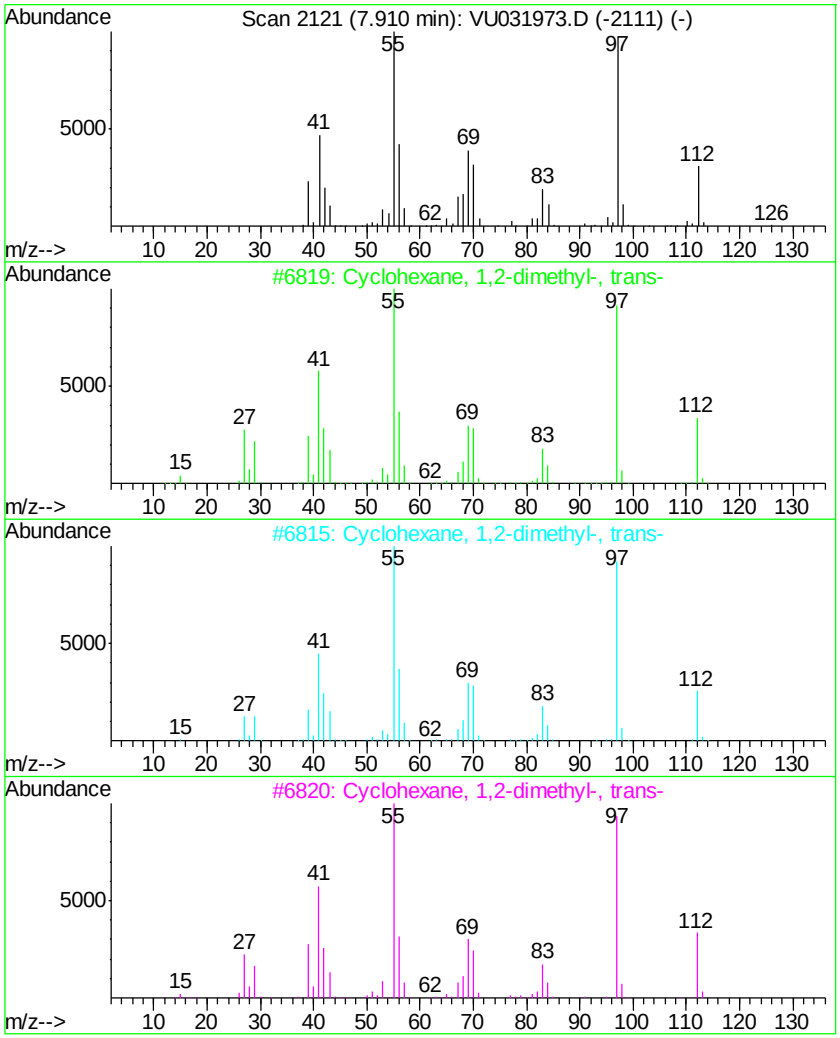
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

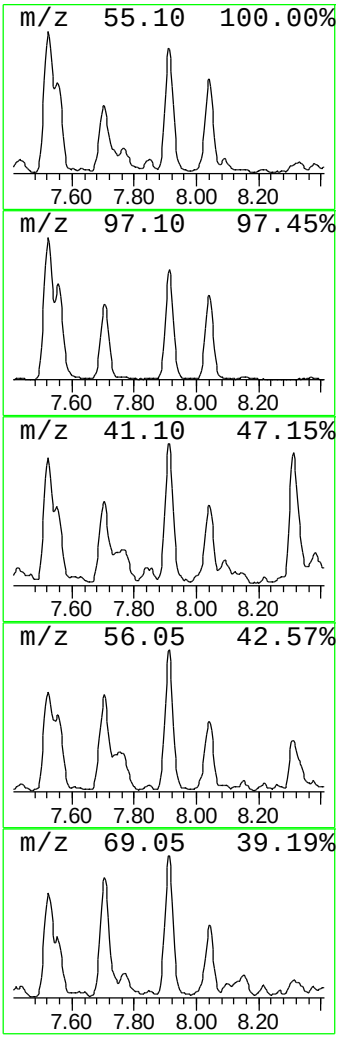
****

Peak Number 15 (DEL) Alkane: Cyclic7.91 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	2.12 ug/L	668865	Chlorobenzene-d5	9.09

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-, trans-	112	C8H16	006876-23-9	95
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	93





Library Search Compound Report

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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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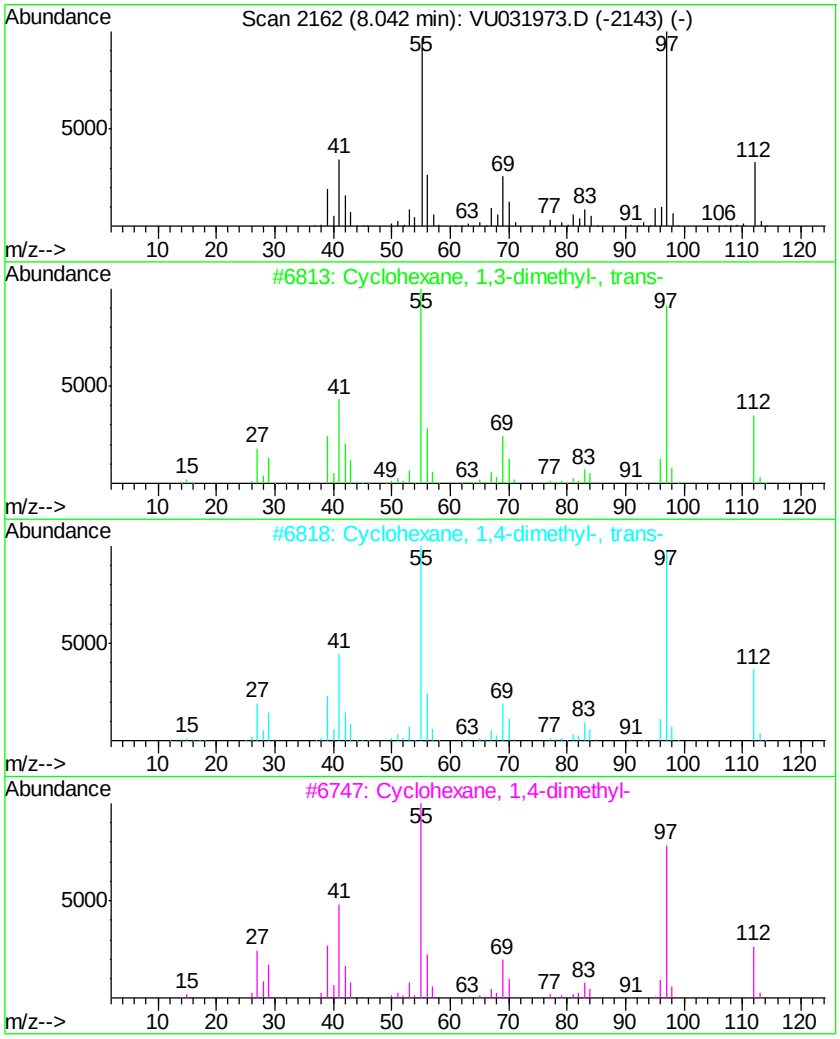
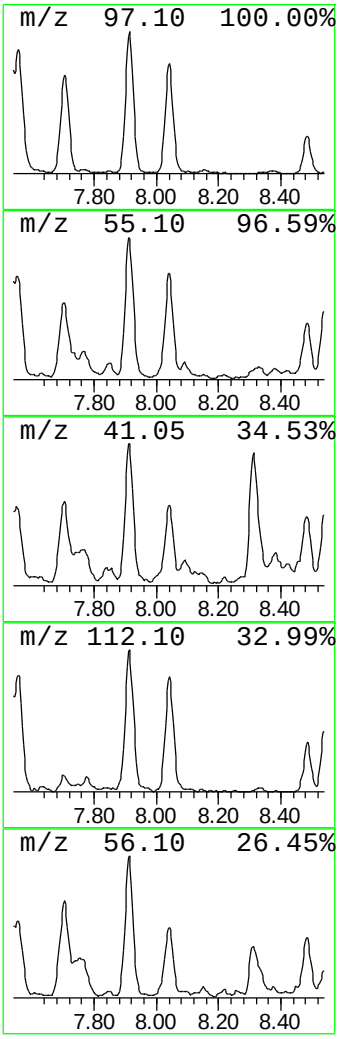
Peak Number 16 (DEL) Alkane: Cyclic8.04 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	1.41 ug/L	446530	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	96
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	95
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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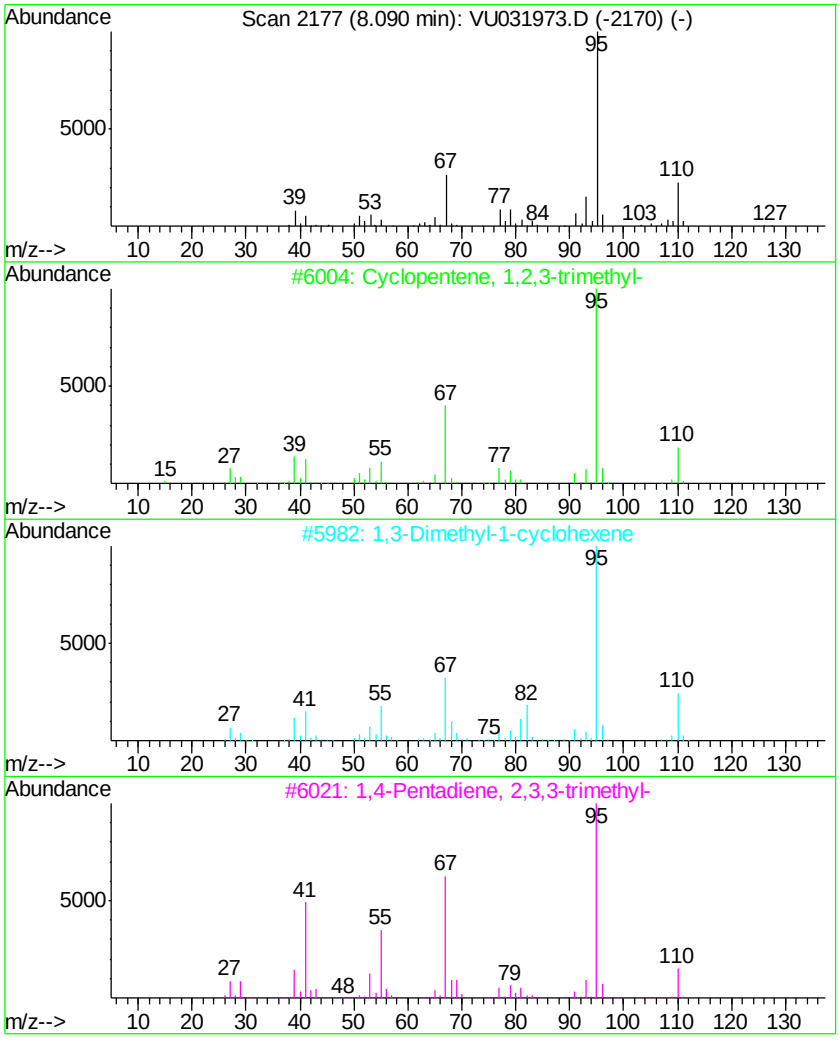
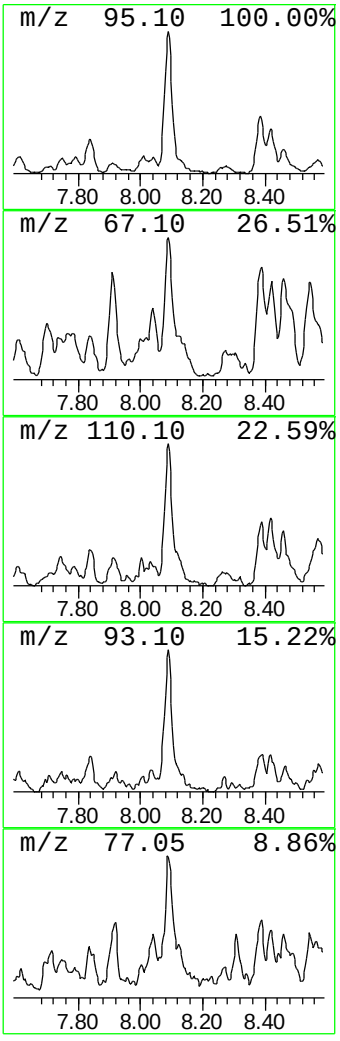
Peak Number 17 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	1.03 ug/L	326638	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	87
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	87
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	78
4	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	72
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	72





Library Search Compound Report

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Data File : VU031973.D
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Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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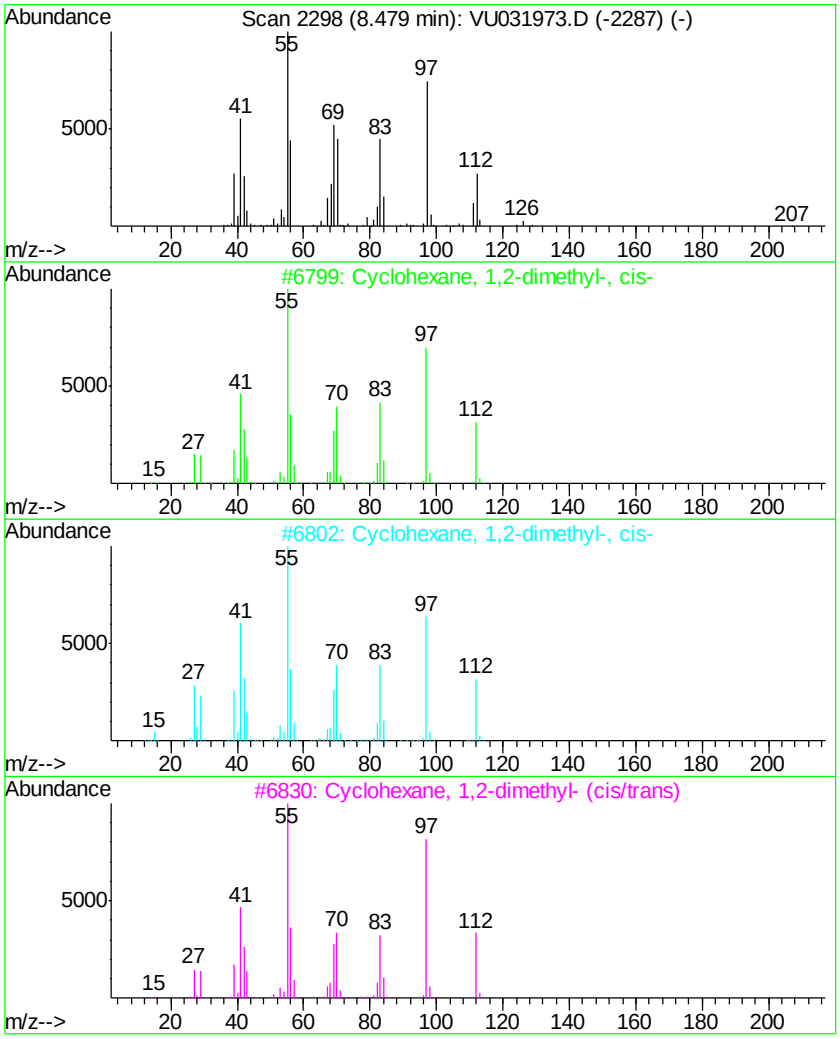
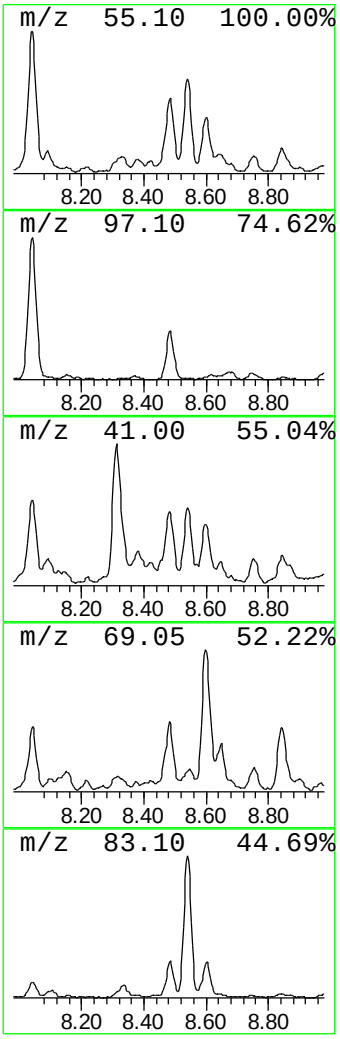
Peak Number 18 (DEL) Alkane: Cyclic8.48 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	0.92 ug/L	289446	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	95
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
4	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	83
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

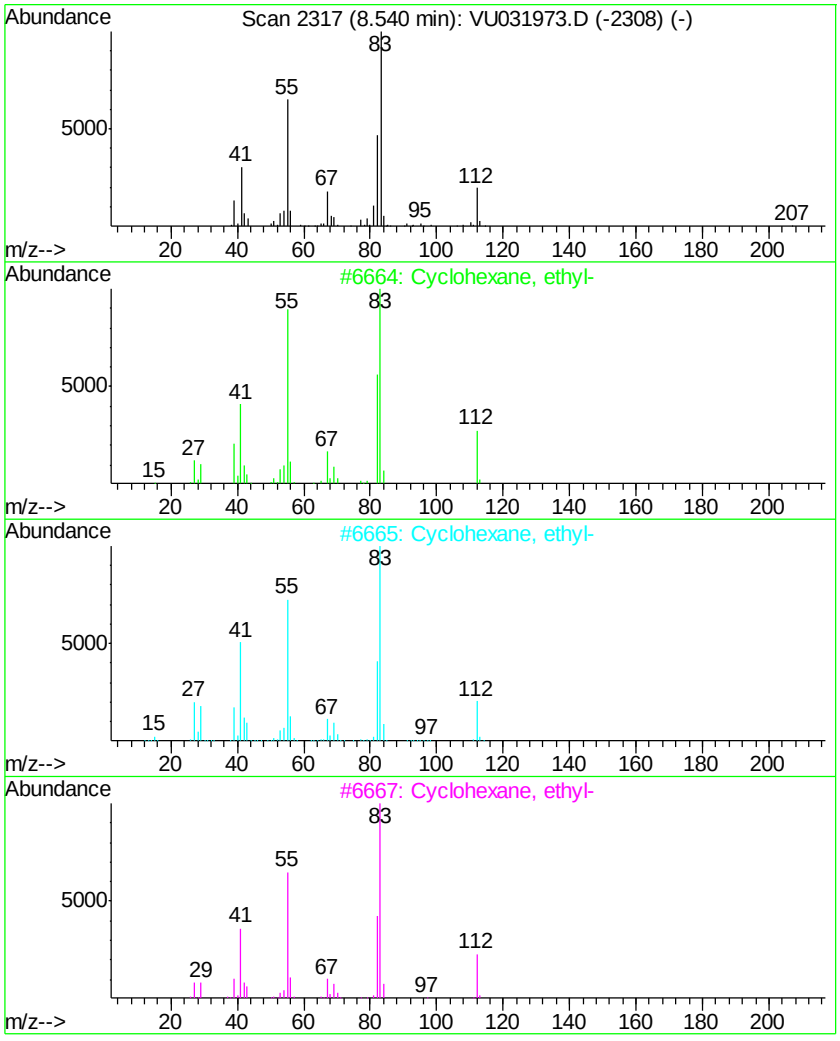
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

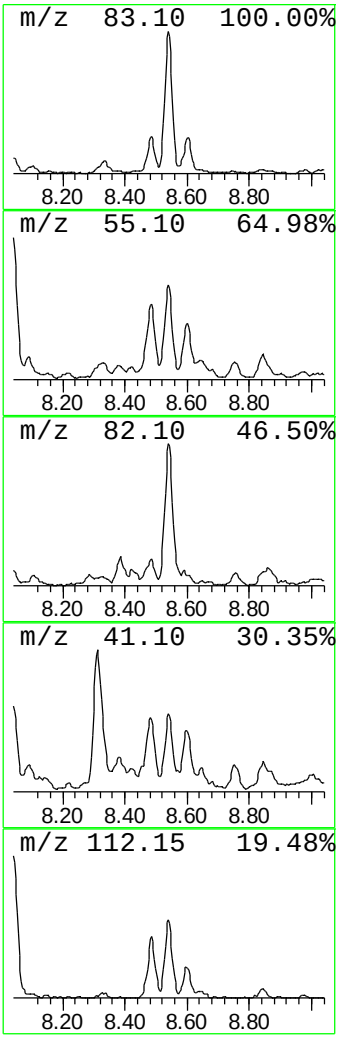
****

Peak Number 19 (DEL) Alkane: Cyclic8.54 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	0.78 ug/L	247099	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	53
5	3-Hexene, 3,4-dimethyl-, (Z)-	112	C8H16	019550-87-9	50





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

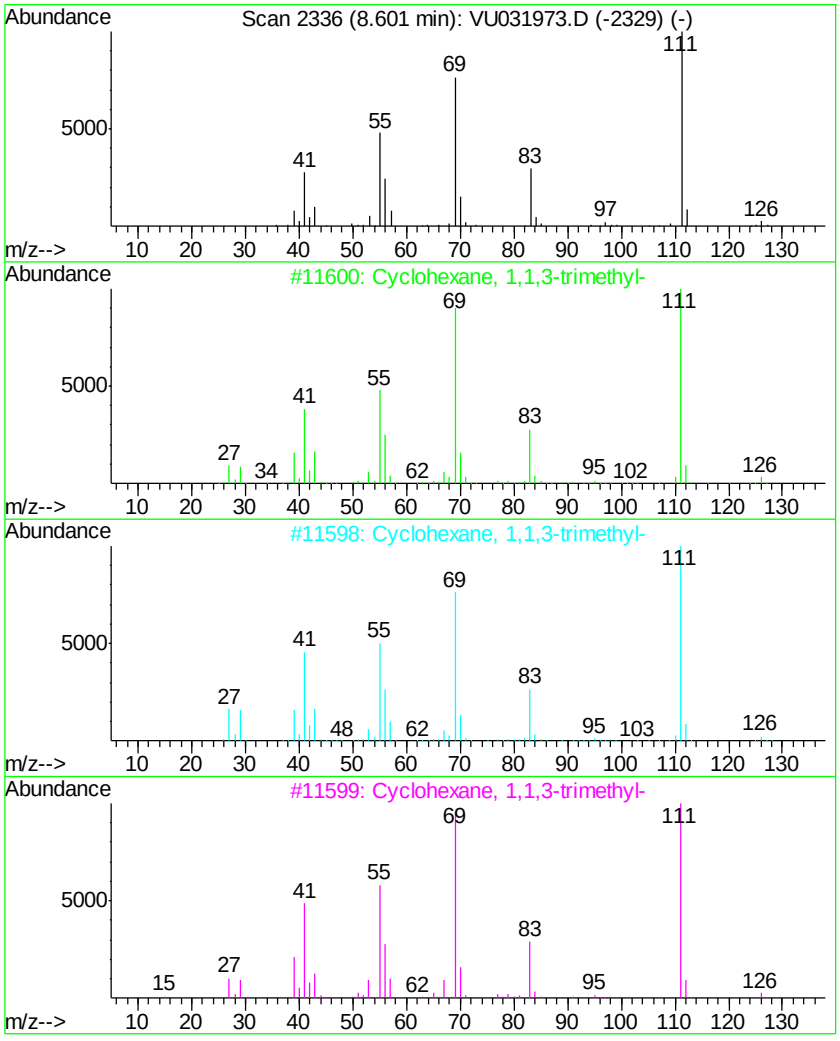
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

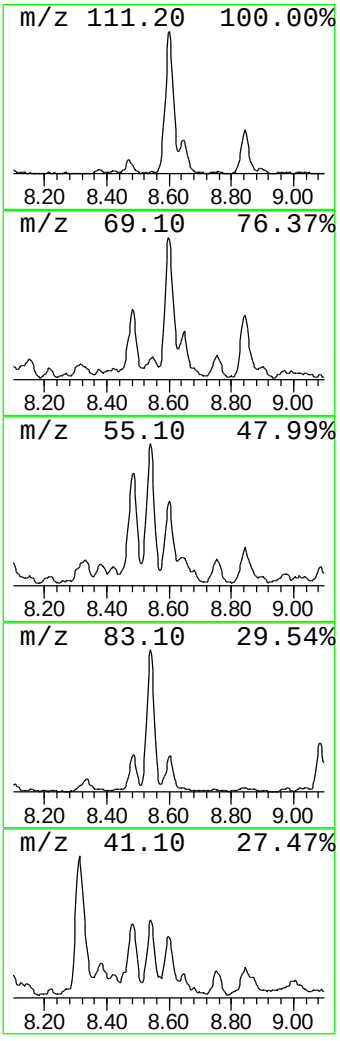
****

Peak Number 20 (DEL) Alkane: Cyclic8.60 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	0.56 ug/L	175234	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	72





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

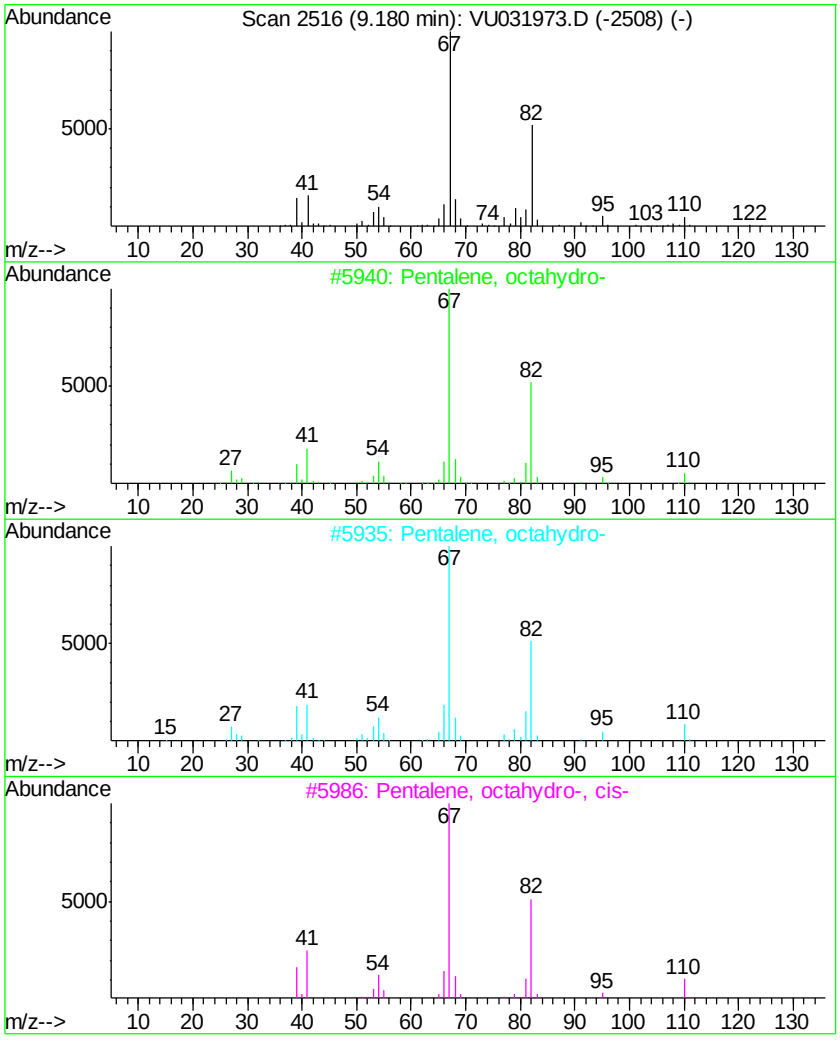
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

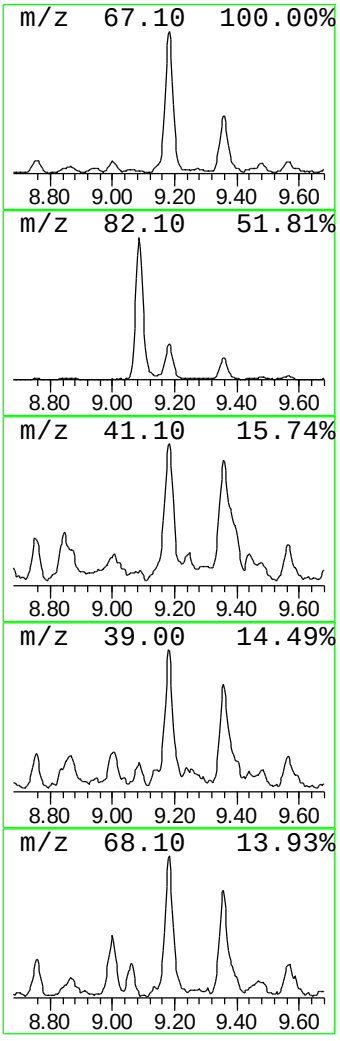
****

Peak Number 21 Pentalene, octahydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	1.42 ug/L	449342	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	91
2	Pentalene, octahydro-	110	C8H14	000694-72-4	90
3	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	90
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	59
5	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	56





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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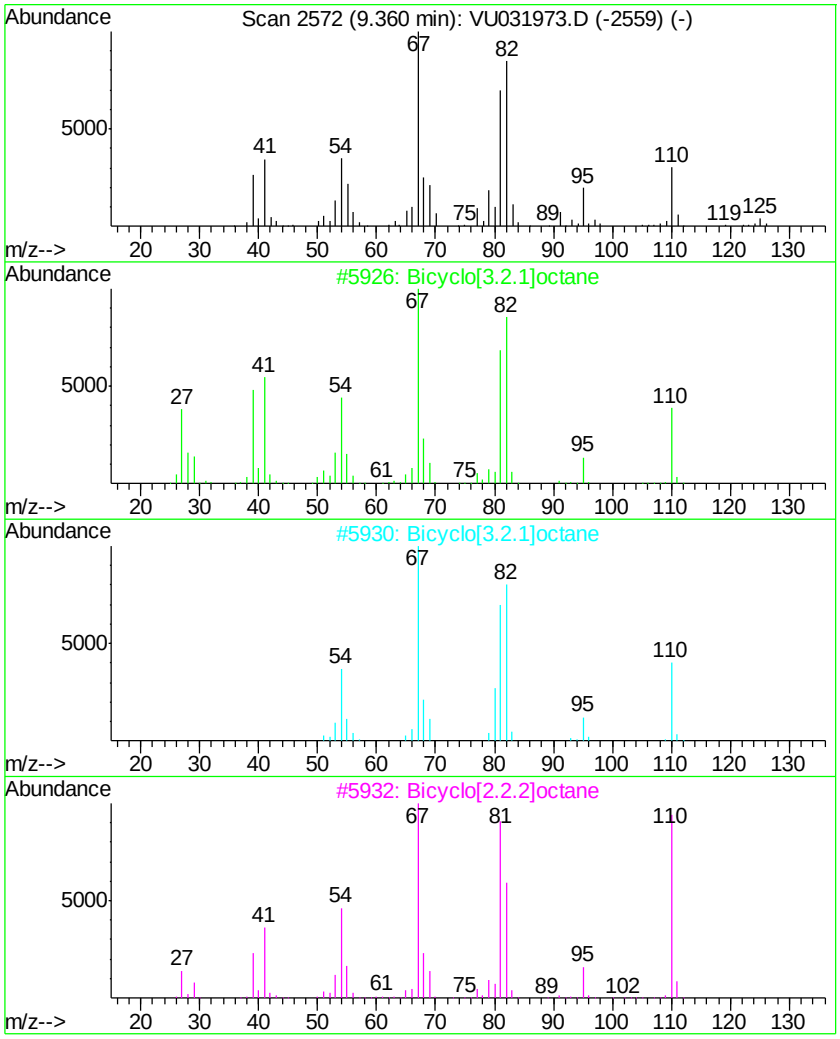
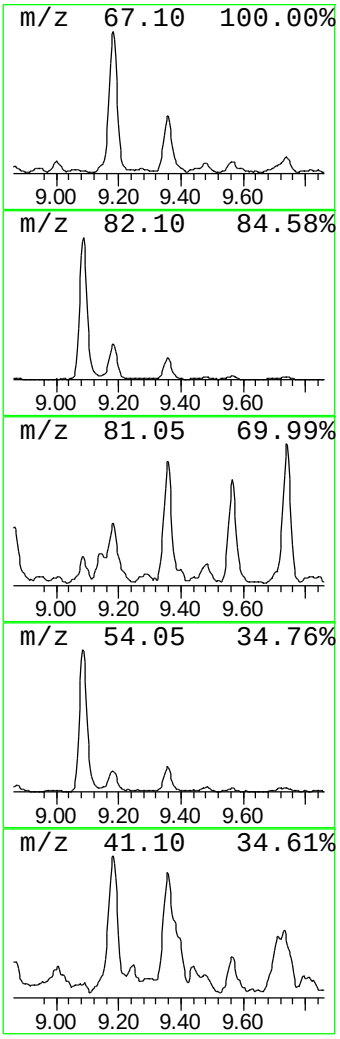
Peak Number 22 Bicyclo[3.2.1]octane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	1.71 ug/L	540360	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	91
2	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	91
3	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	87
4	Cyclohexane, ethenyl-	110	C8H14	000695-12-5	68
5	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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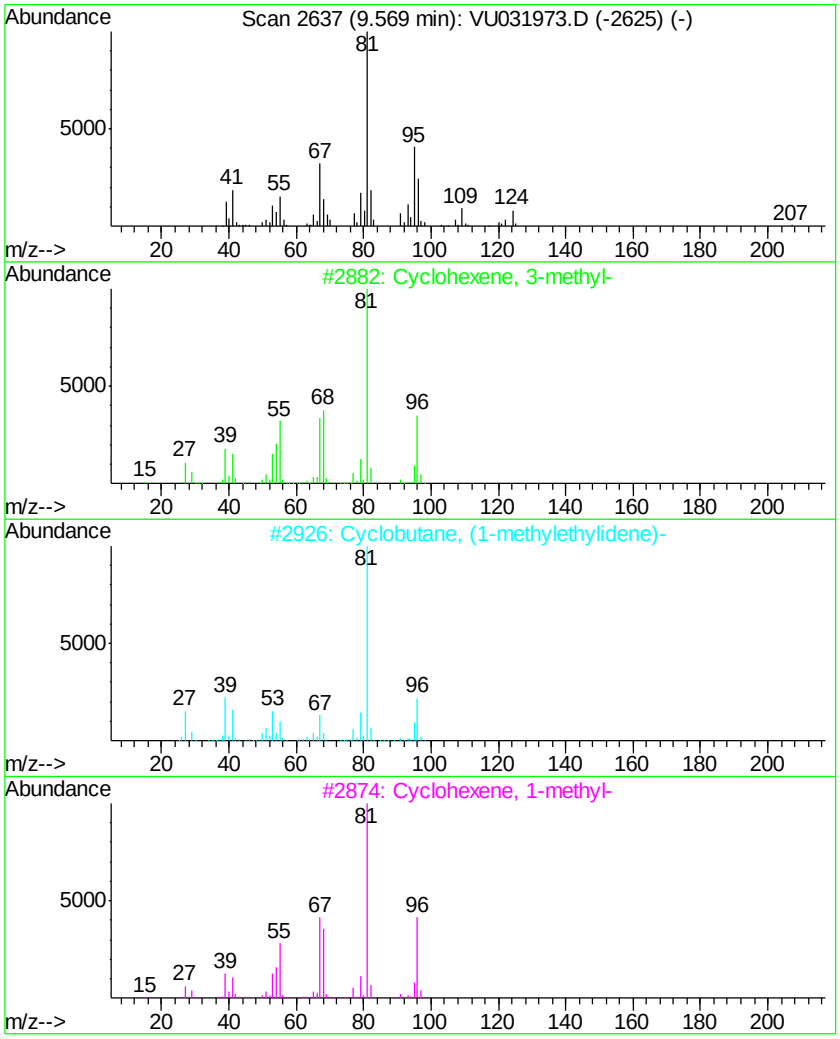
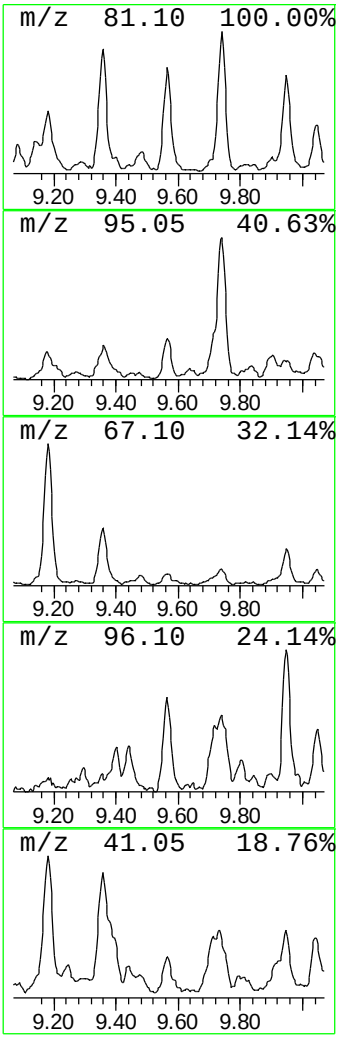
Peak Number 23 Cyclohexene, 3-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	0.55 ug/L	174490	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	52
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	52
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	52
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	50
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	47





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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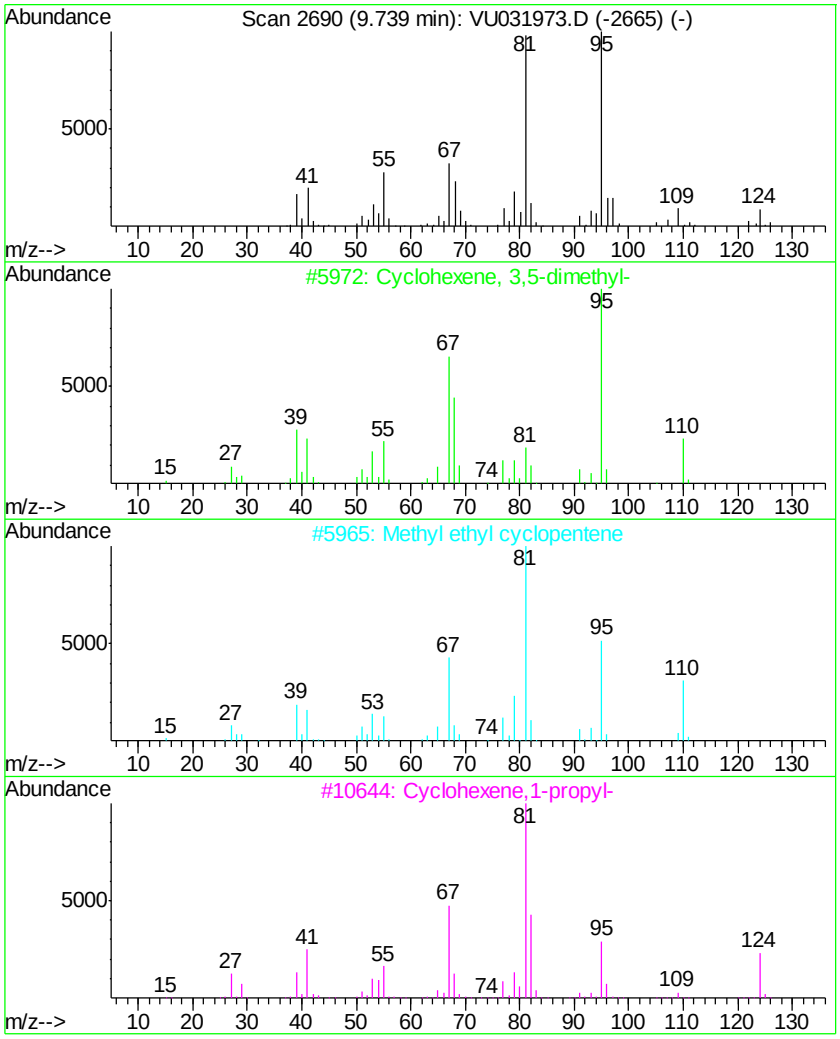
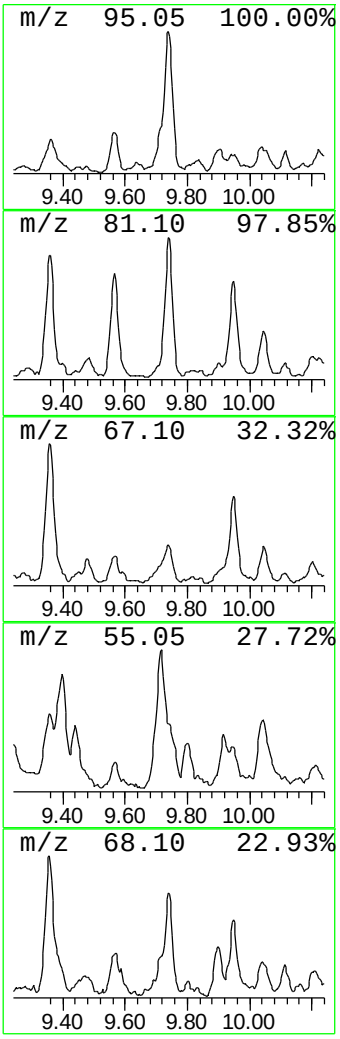
Peak Number 24 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	1.48 ug/L	467349	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	43
2	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	43
3	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	43
4	Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	38
5	4(1H)-Pyridone	95	C5H5NO	000108-96-3	38





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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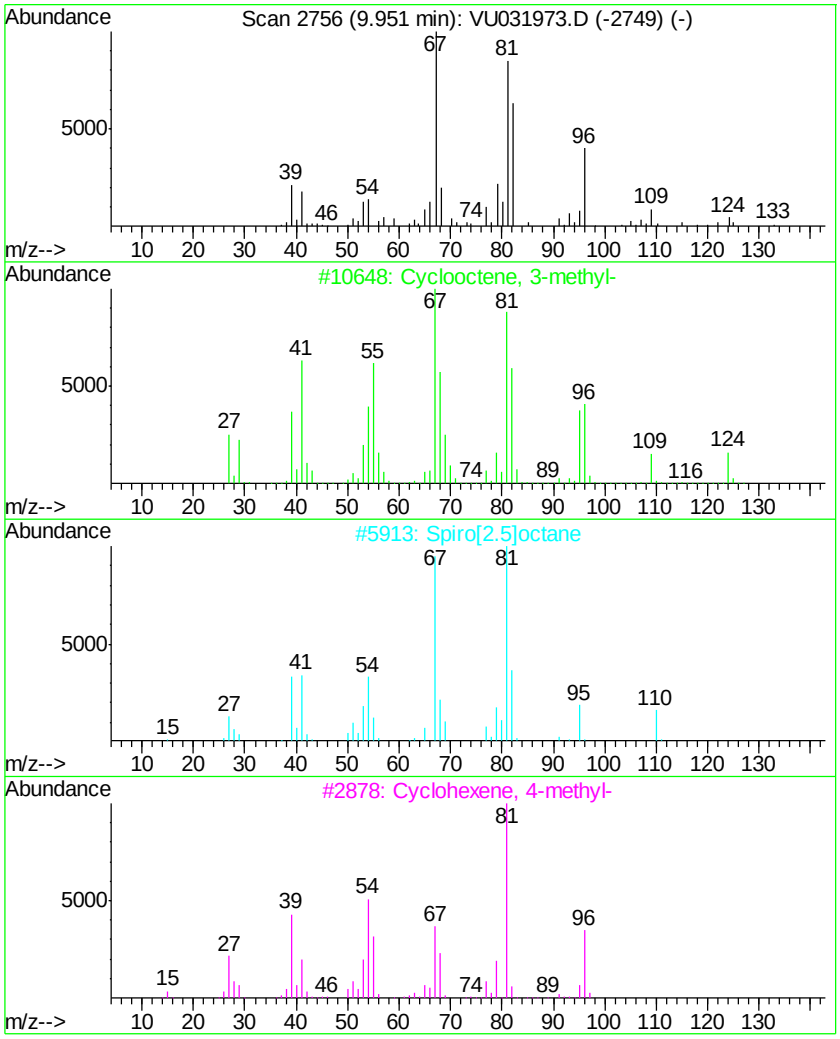
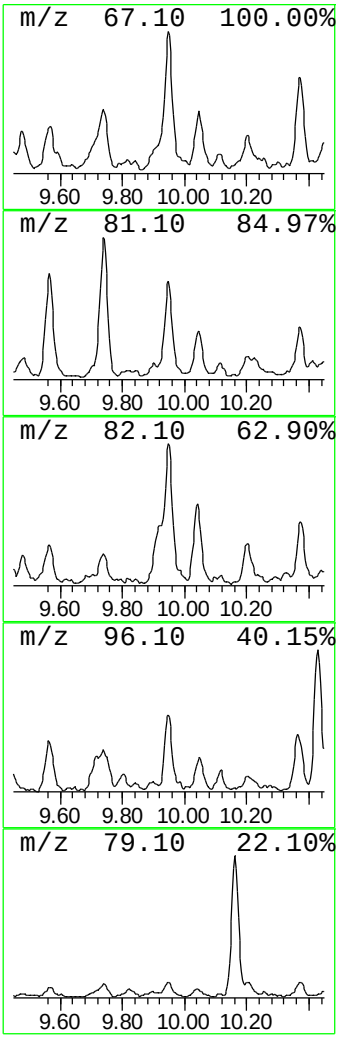
Peak Number 25 Cyclooctene, 3-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	0.67 ug/L	212238	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	72
2	Spiro[2.5]octane	110	C8H14	000185-65-9	59
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	49
4	Cyclopentene, 1-butyl-	124	C9H16	002423-01-0	43
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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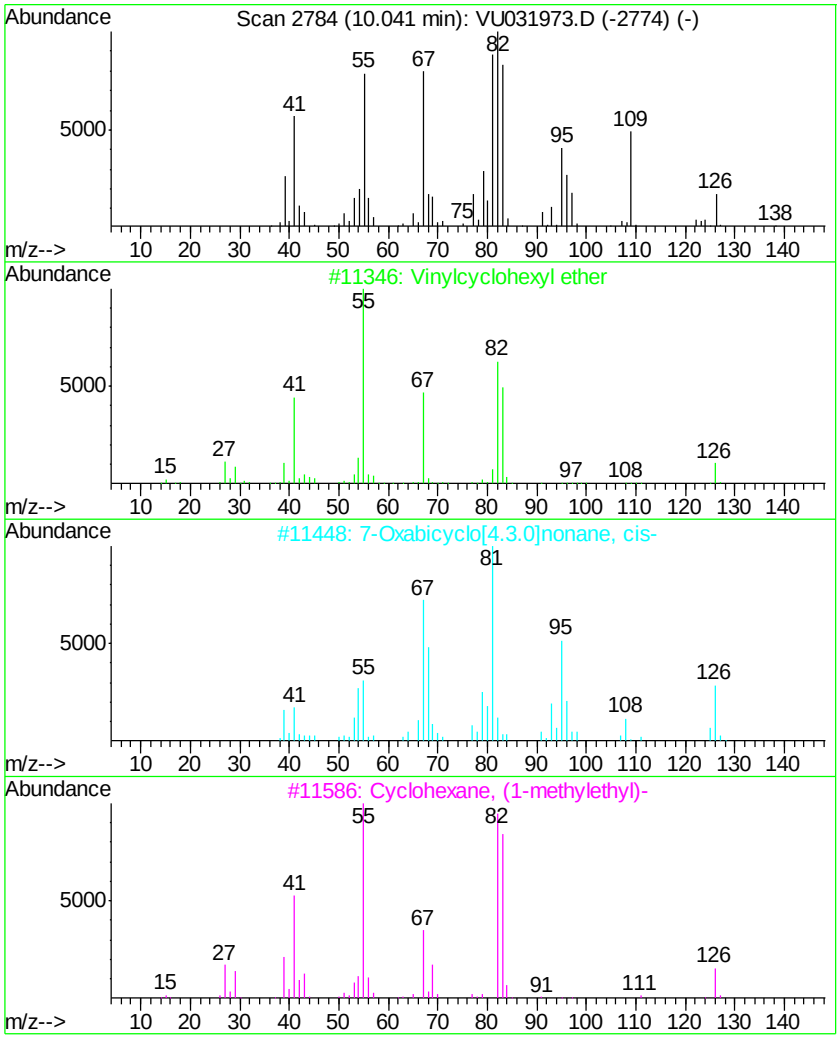
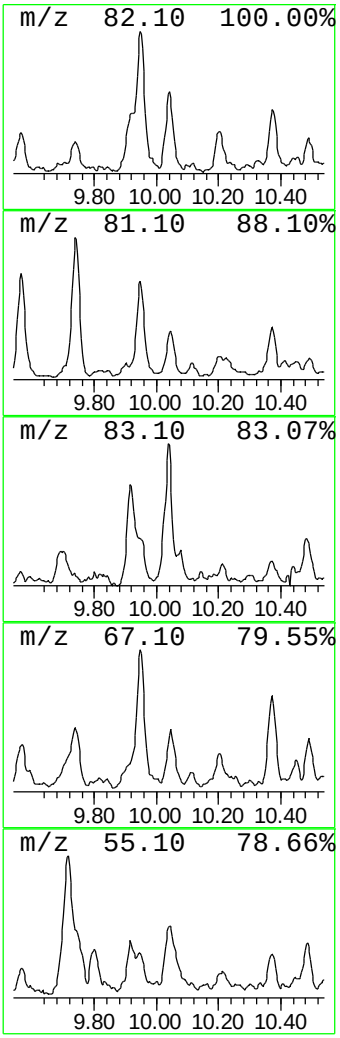
Peak Number 26 unknown-02 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	0.58 ug/L	182602	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	46
2	7-Oxabicyclo[4.3.0]nonane, cis-	126	C8H14O	013149-01-4	43
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	42
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38
5	2-Hexyne	82	C6H10	000764-35-2	30





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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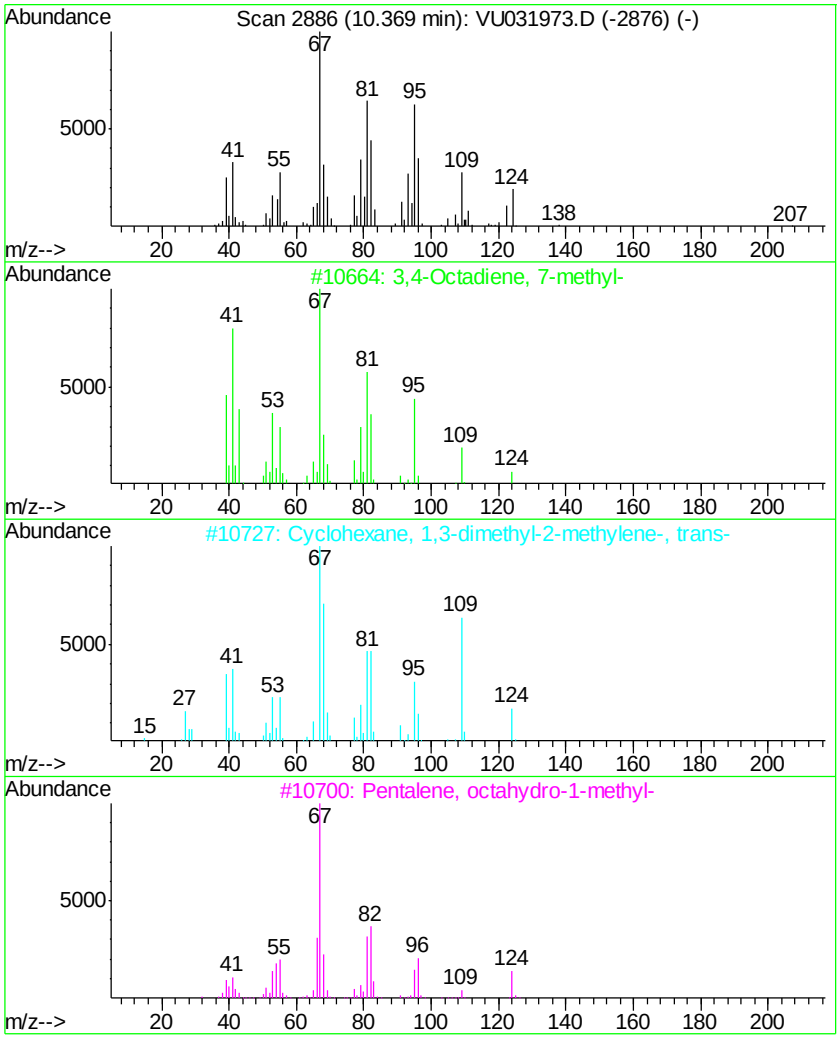
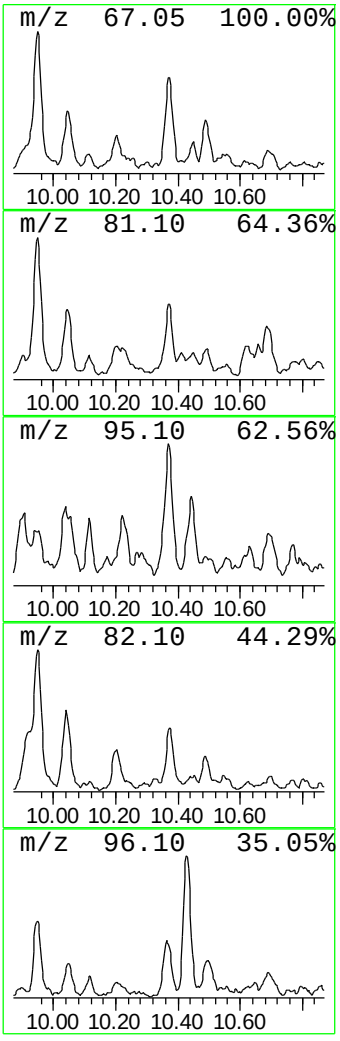
Peak Number 27 3,4-Octadiene, 7-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	0.52 ug/L	167294	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	59
2	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	53
3	Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	52
4	trans-1-Butenylcyclopentane	124	C9H16	1000113-50-9	49
5	1,3-Hexadiene, 3-ethyl-2-methyl-	124	C9H16	061142-36-7	43





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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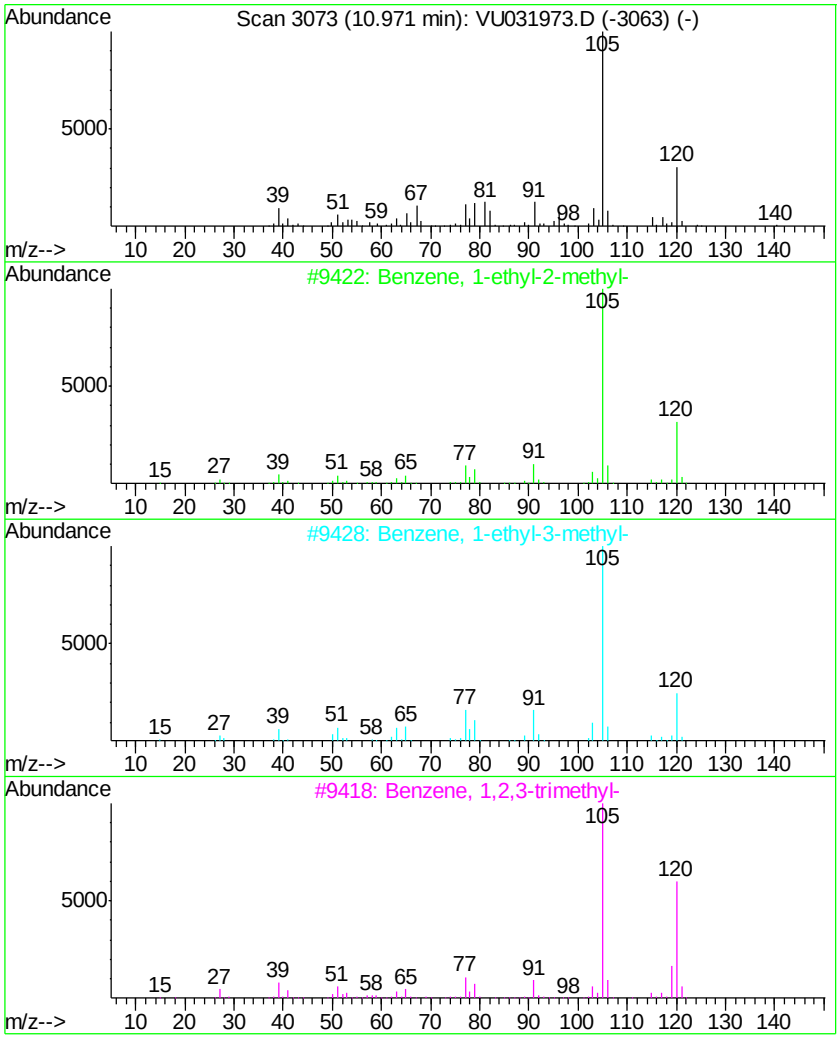
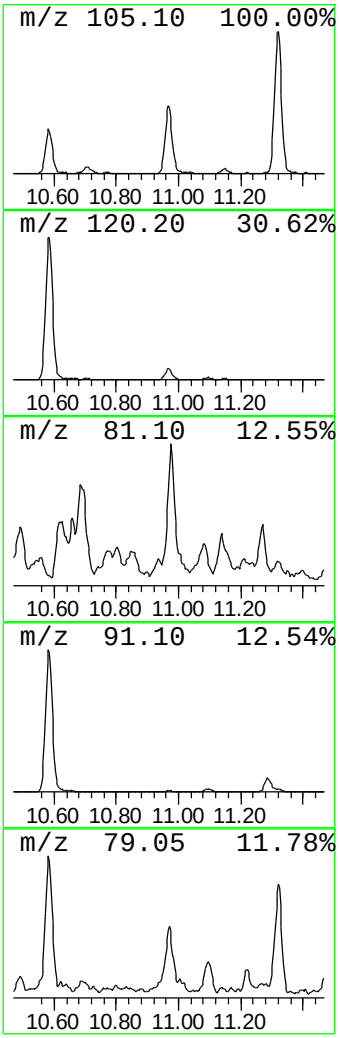
Peak Number 29 Benzene, 1-ethyl-2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	1.04 ug/L	336058	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	83
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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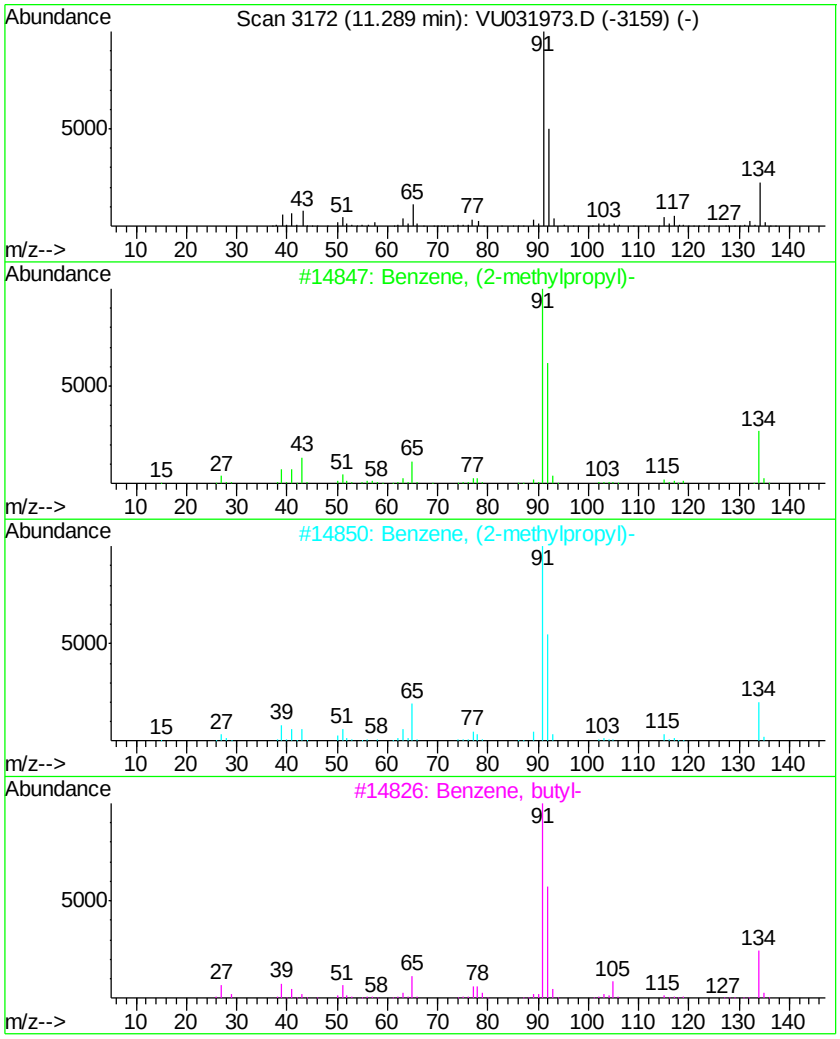
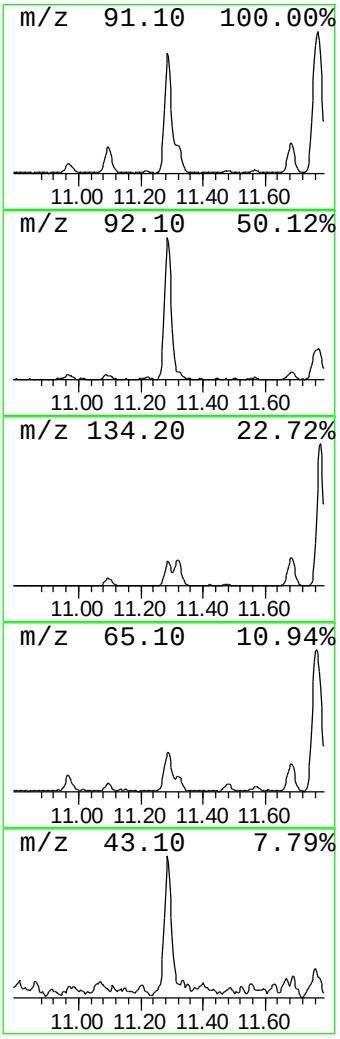
Peak Number 30 Benzene, (2-methylpropyl)- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	1.31 ug/L	426562	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
3	Benzene, butyl-	134	C10H14	000104-51-8	72
4	Benzene, butyl-	134	C10H14	000104-51-8	72
5	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

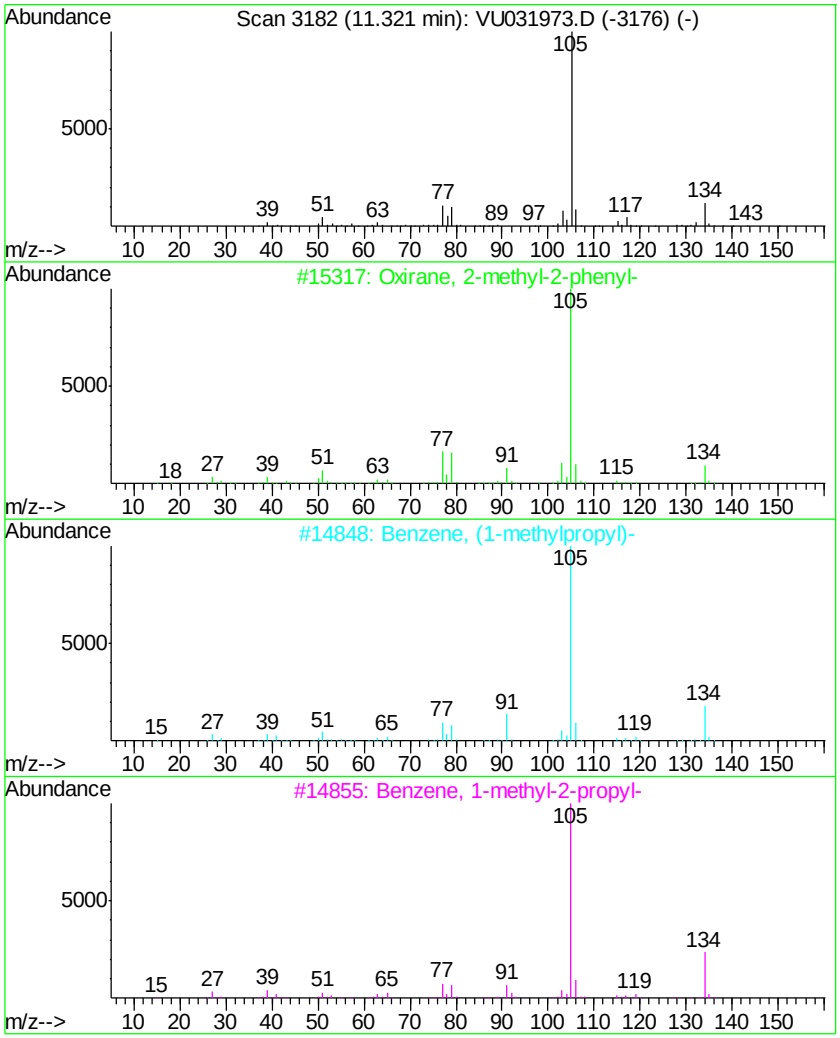
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

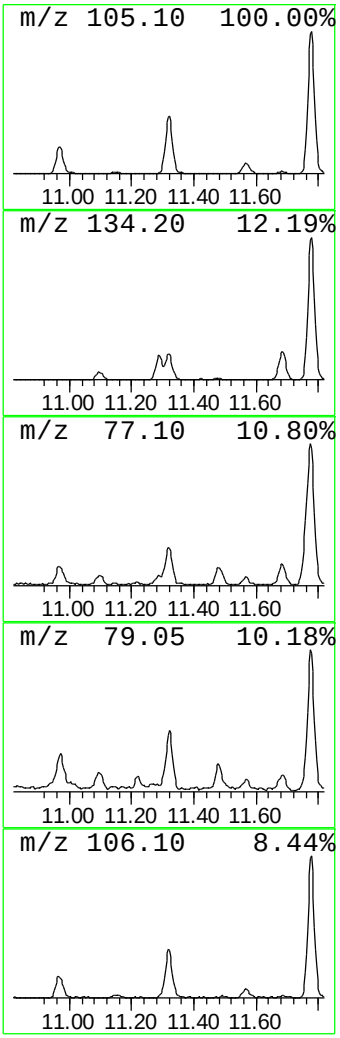
****

Peak Number 31 Oxirane, 2-methyl-2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	1.49 ug/L	483991	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	80
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	78
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	78
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	78
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

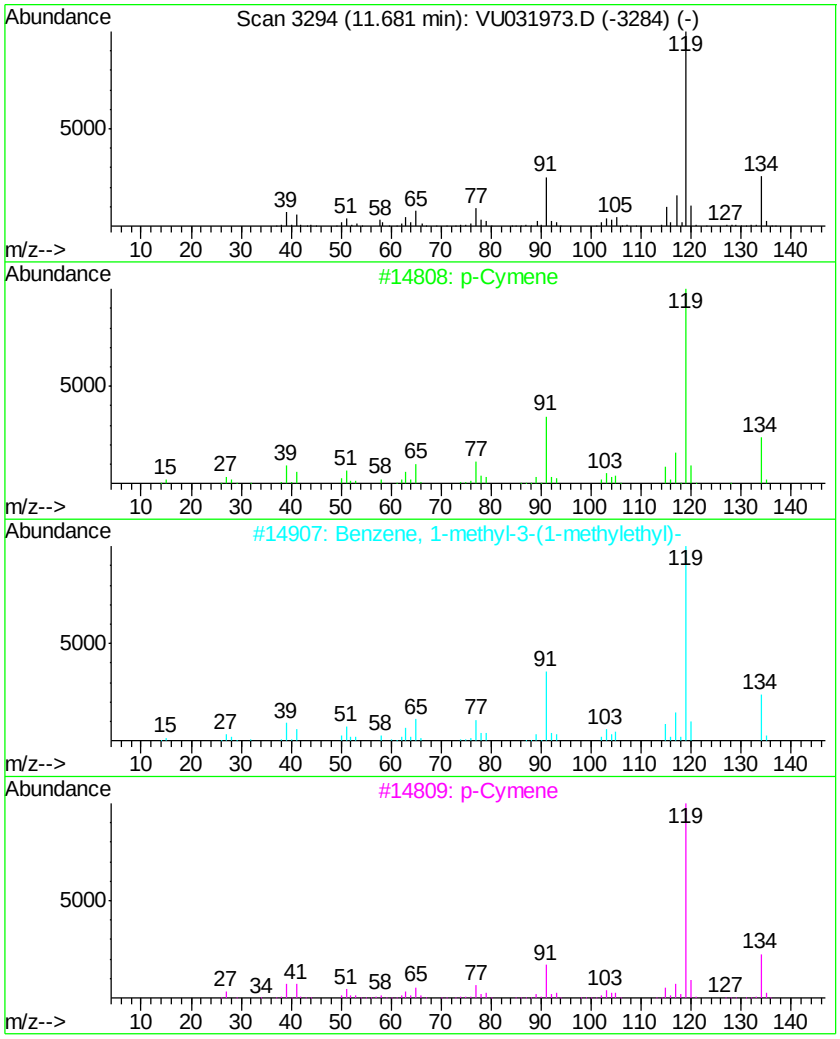
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

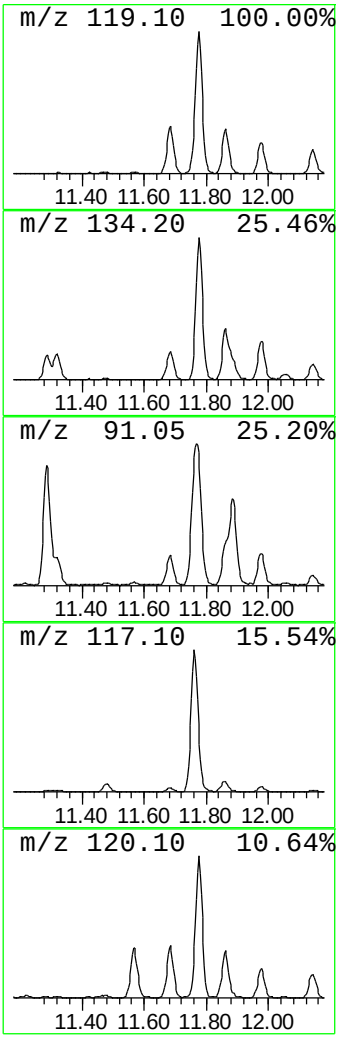
****

Peak Number 32 o-Cymene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	1.39 ug/L	449648	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	p-Cymene	134	C10H14	000099-87-6	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

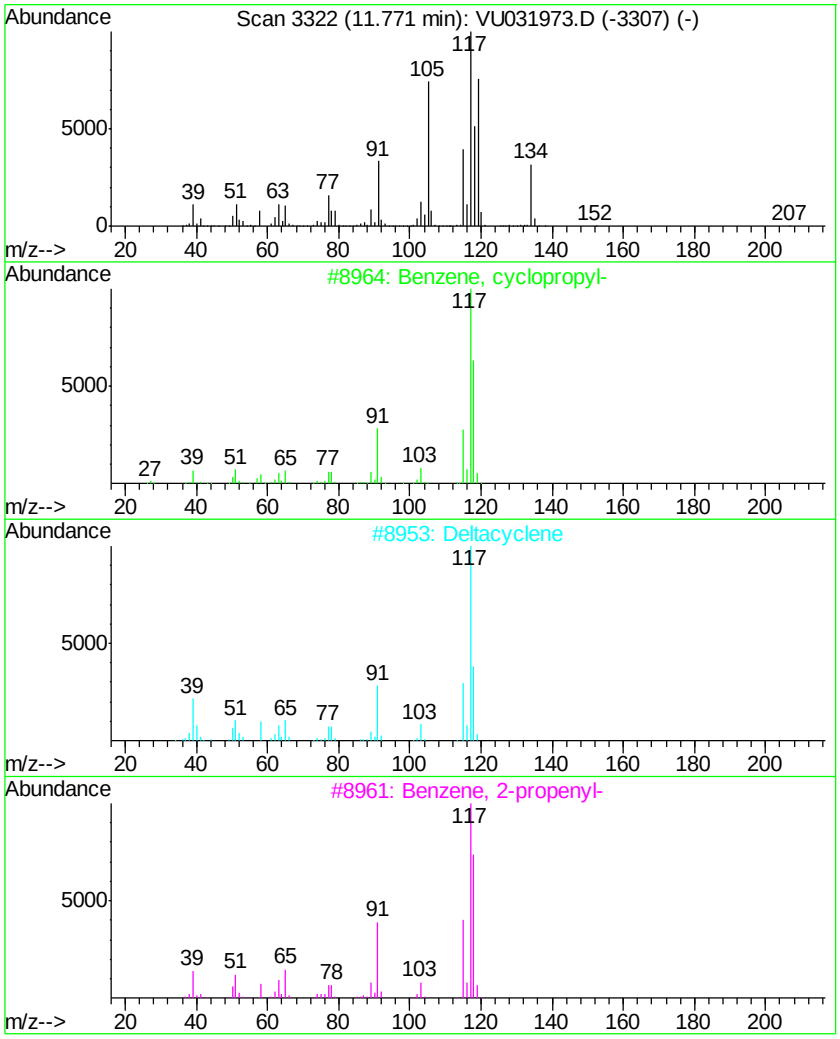
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

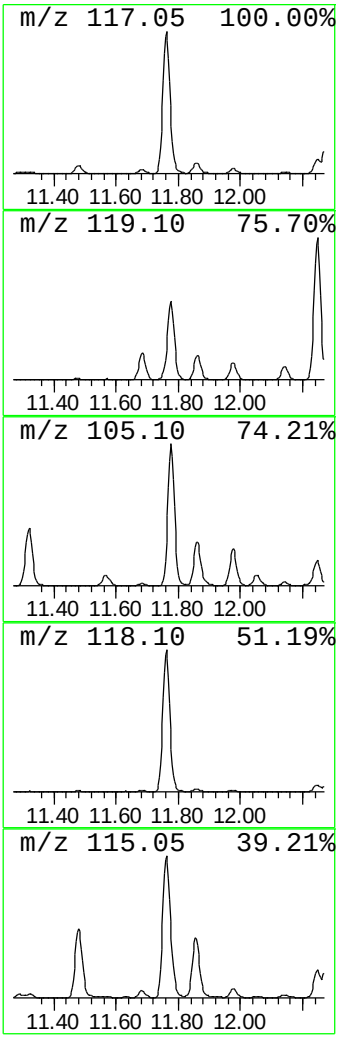
****

Peak Number 33 Benzene, cyclopropyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	13.93 ug/L	4520380	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
2	Deltacyclene	118	C9H10	007785-10-6	55
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

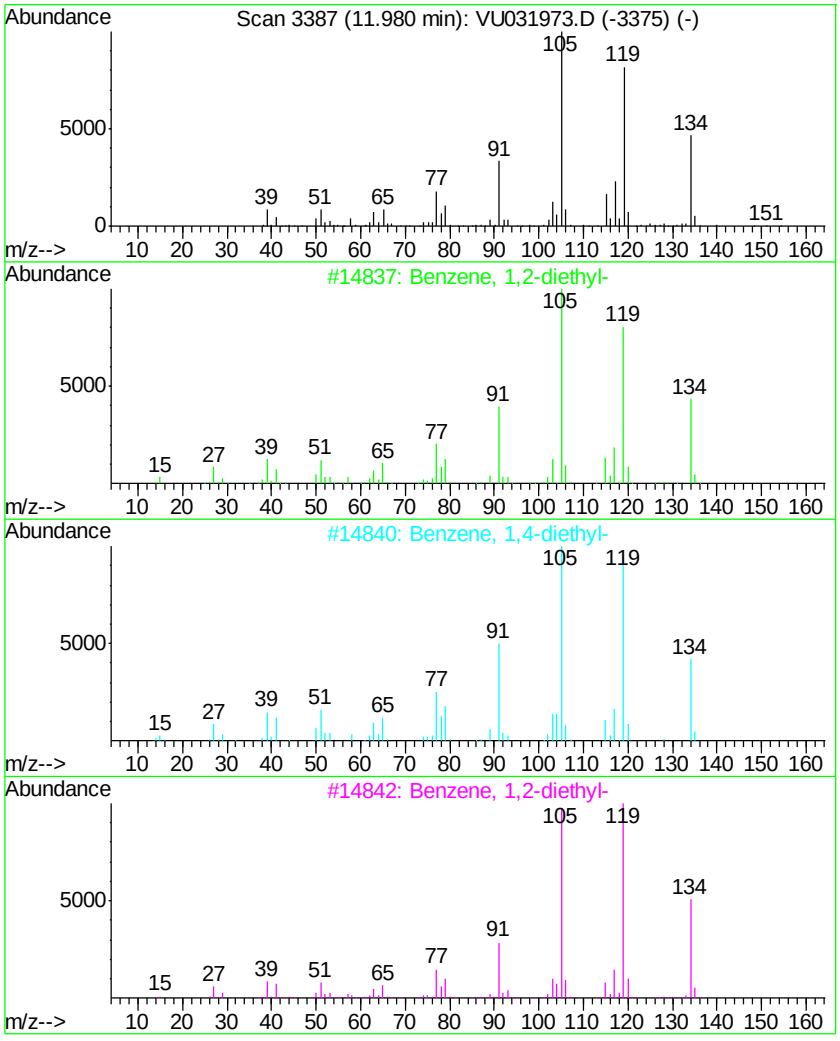
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

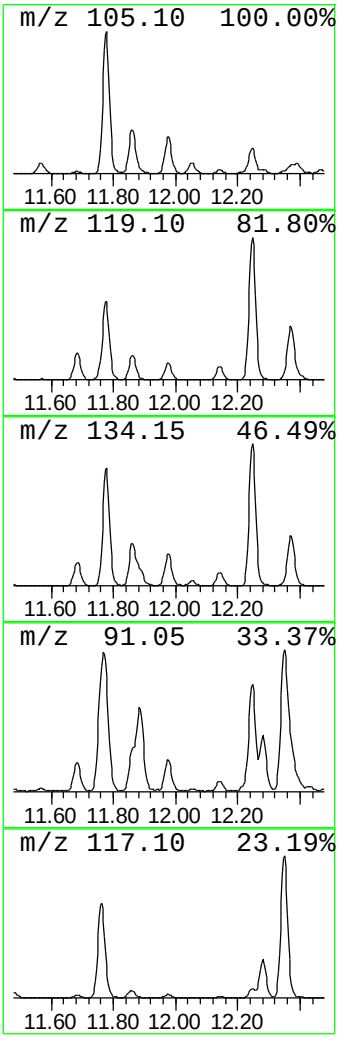
****

Peak Number 34 Benzene, 1,2-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	1.84 ug/L	595414	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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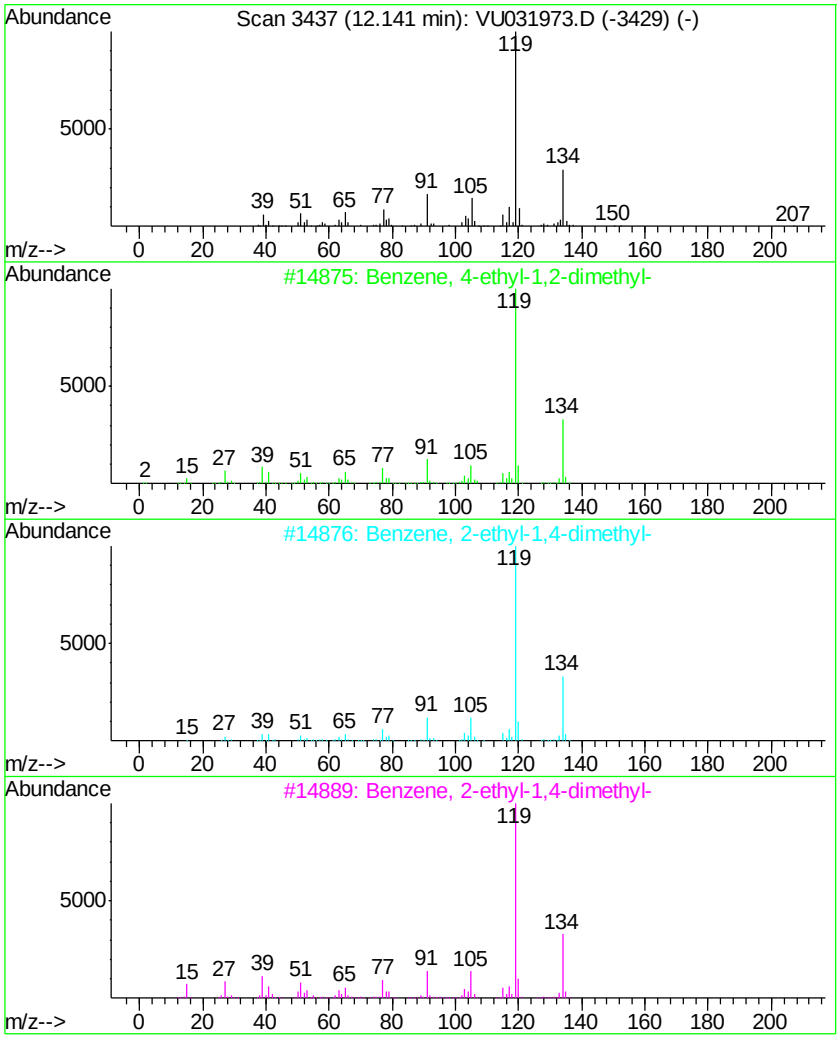
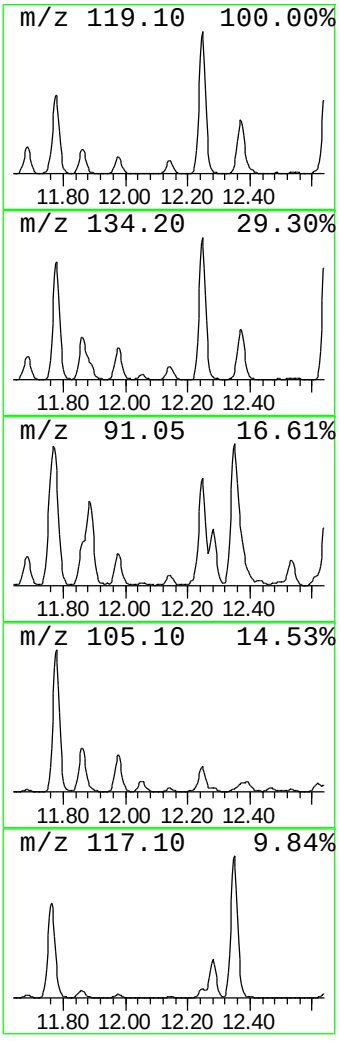
Peak Number 35 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	0.64 ug/L	208878	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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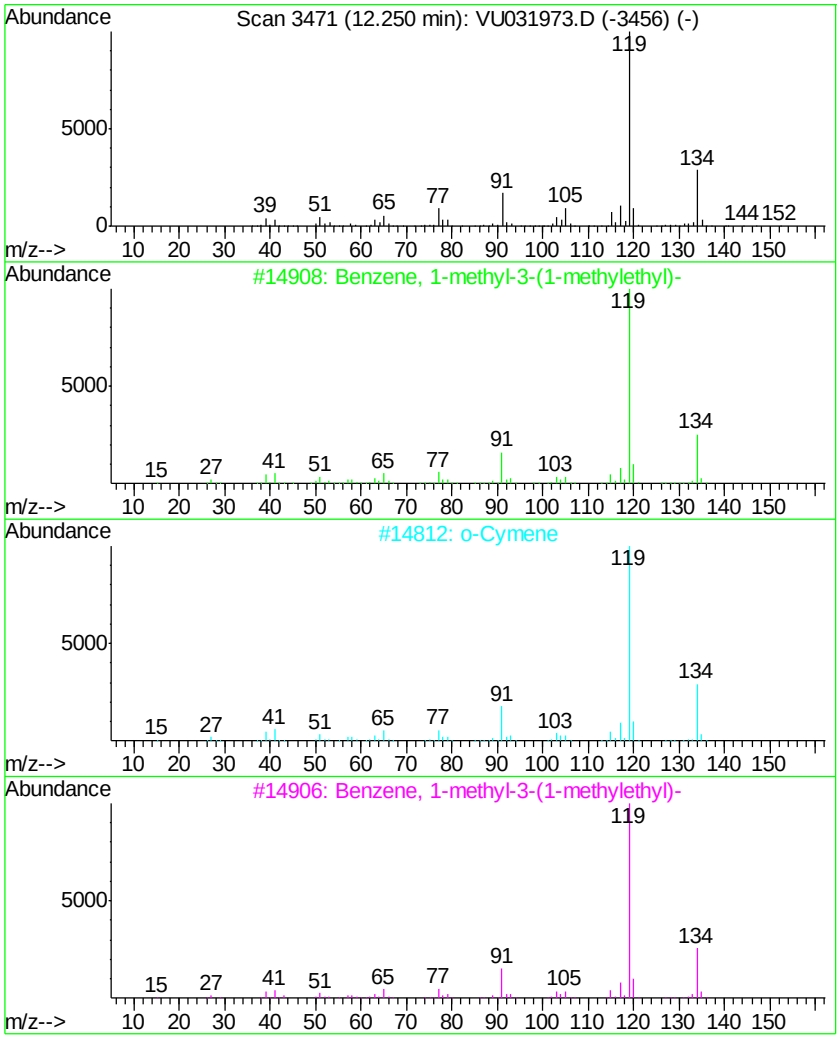
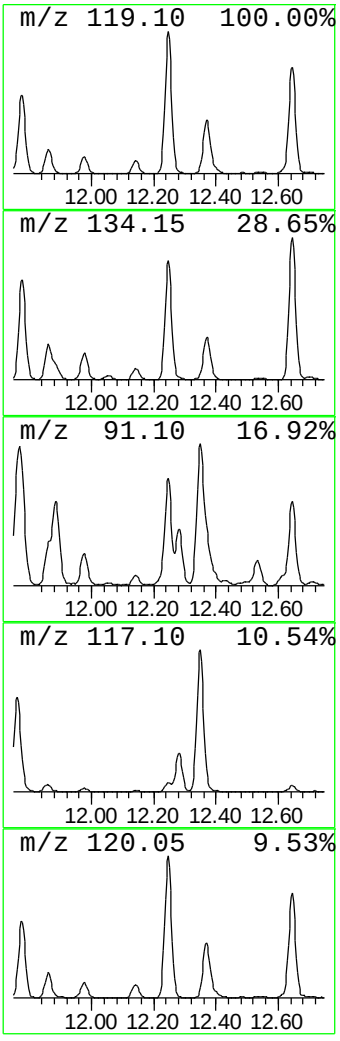
Peak Number 36 Benzene, 1-methyl-3-(1-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	6.75 ug/L	2191090	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

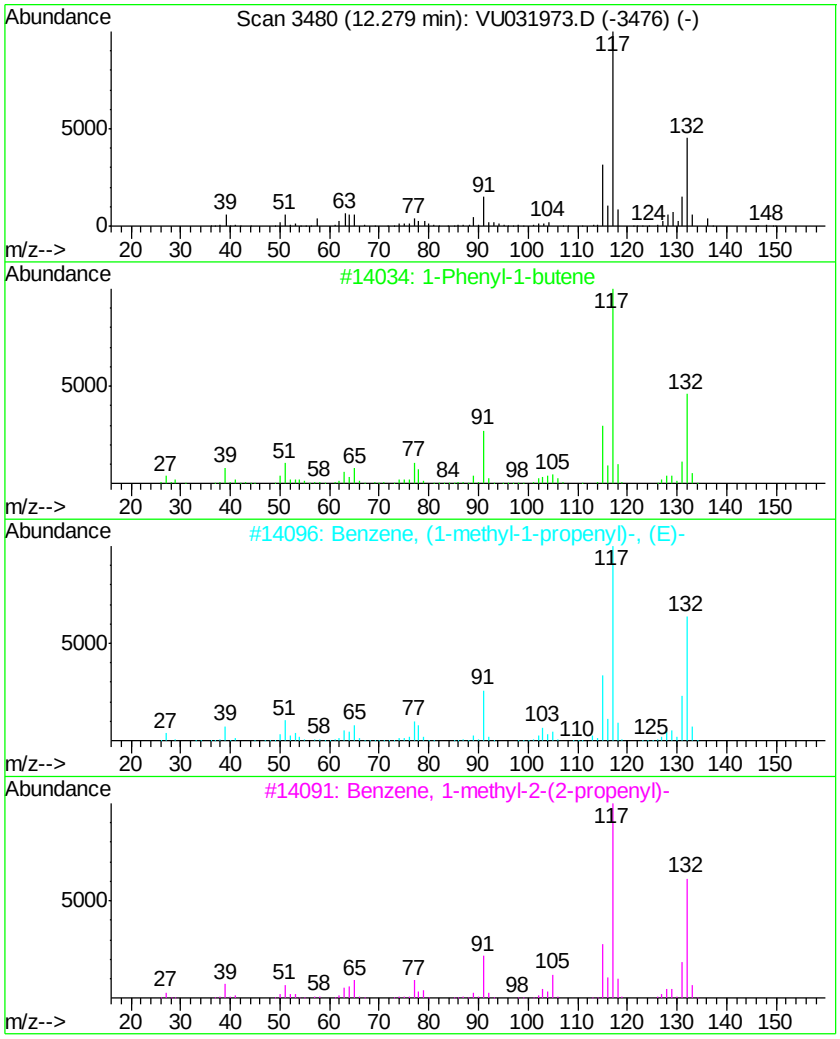
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

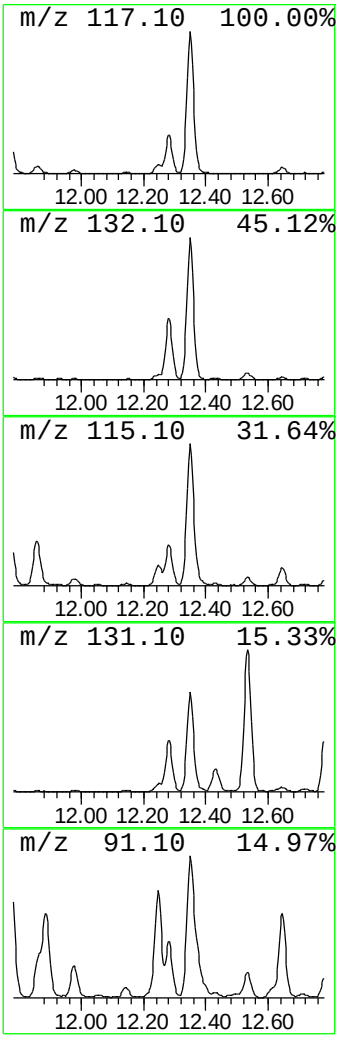
****

Peak Number 37 1-Phenyl-1-butene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	3.78 ug/L	1227440	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

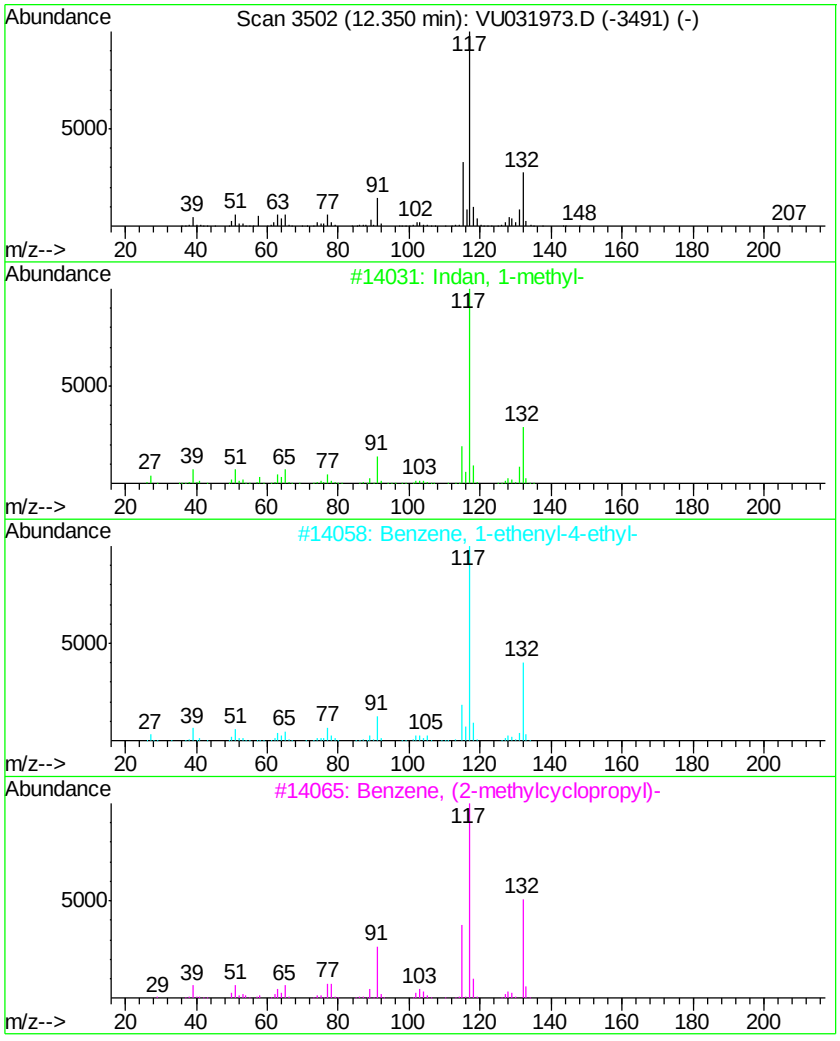
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

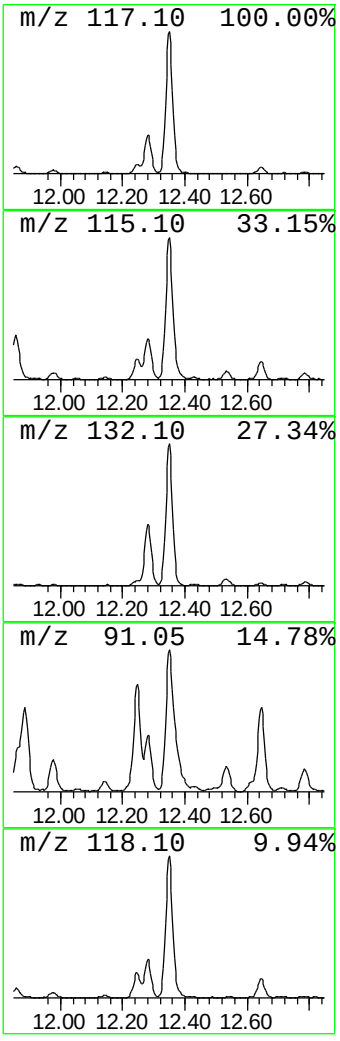
****

Peak Number 38 Indan, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	13.78 ug/L	4472560	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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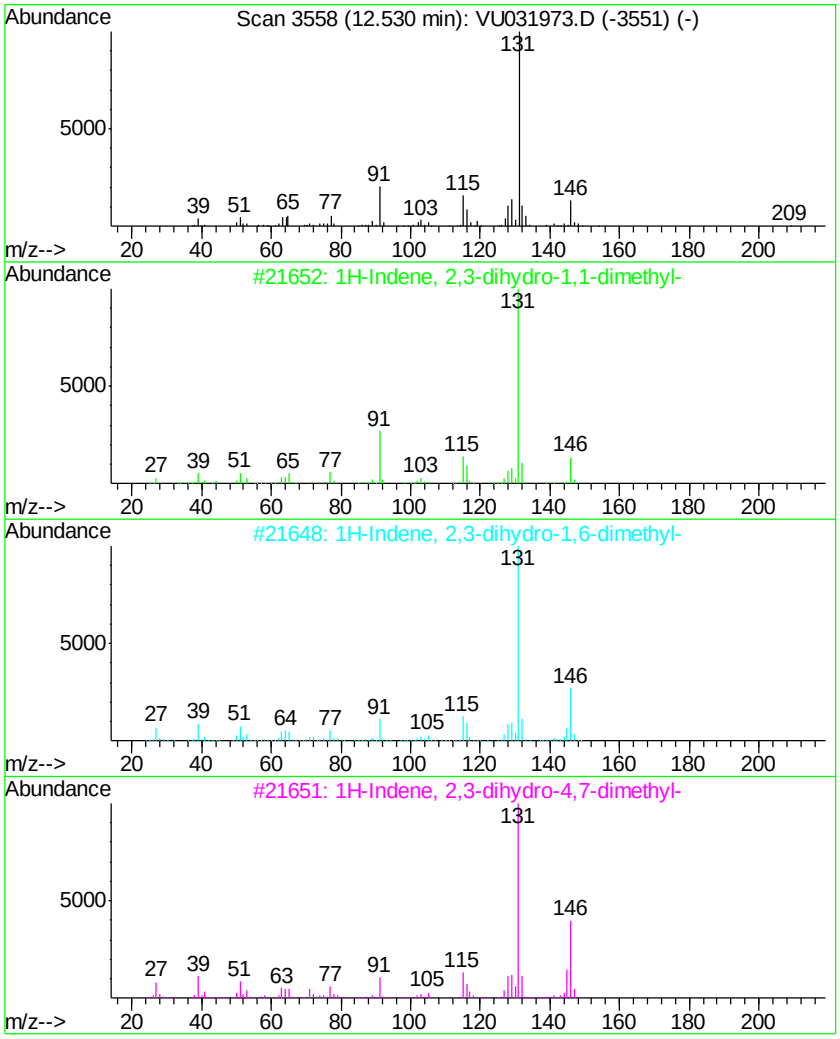
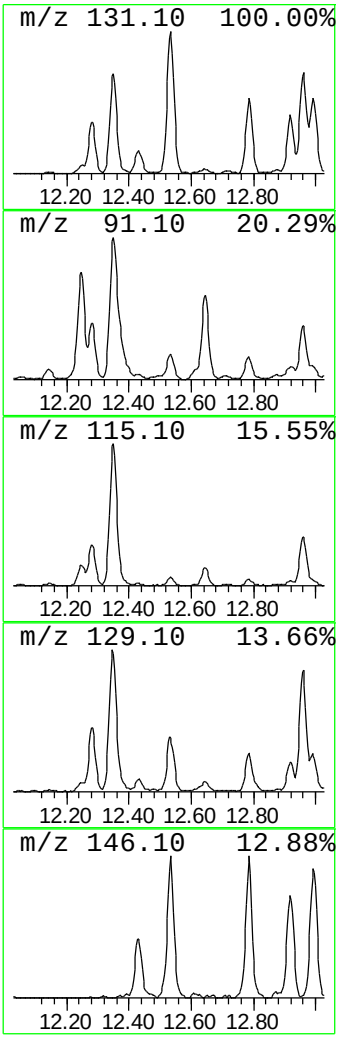
Peak Number 39 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	1.51 ug/L	491036	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	97
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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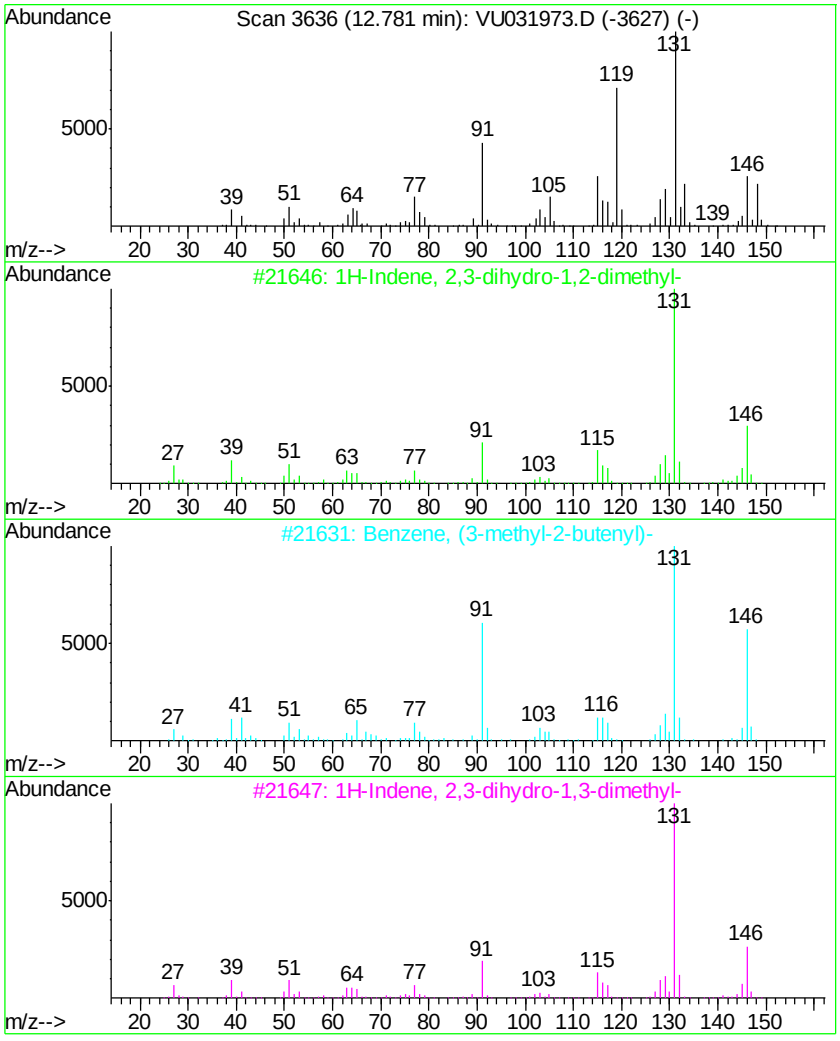
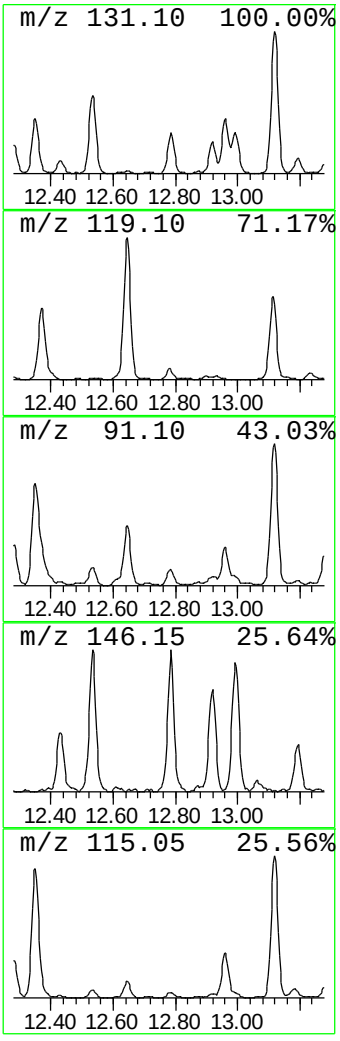
Peak Number 40 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	1.29 ug/L	417587	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	83
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	78
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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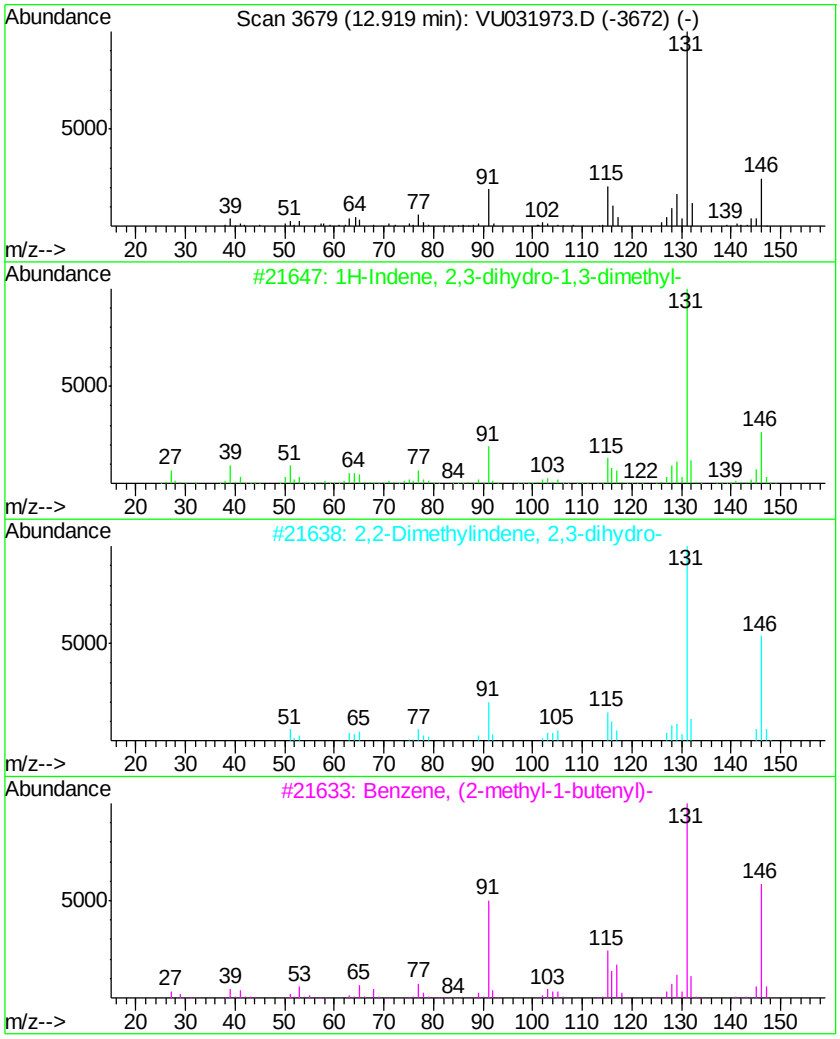
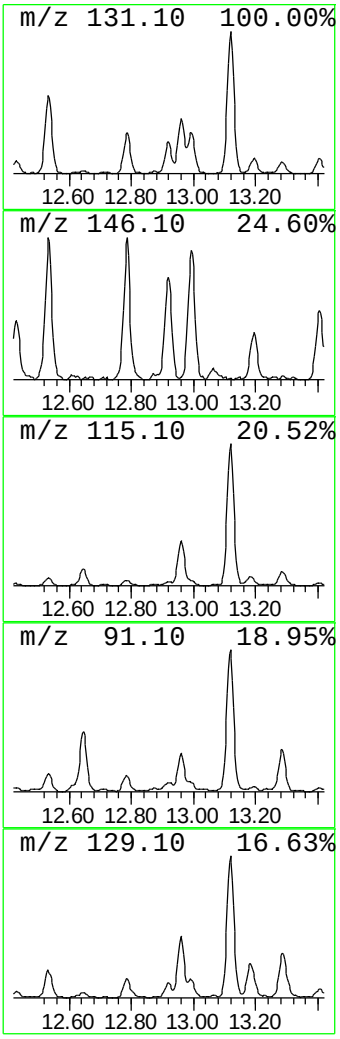
Peak Number 41 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	0.64 ug/L	208648	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90





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Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

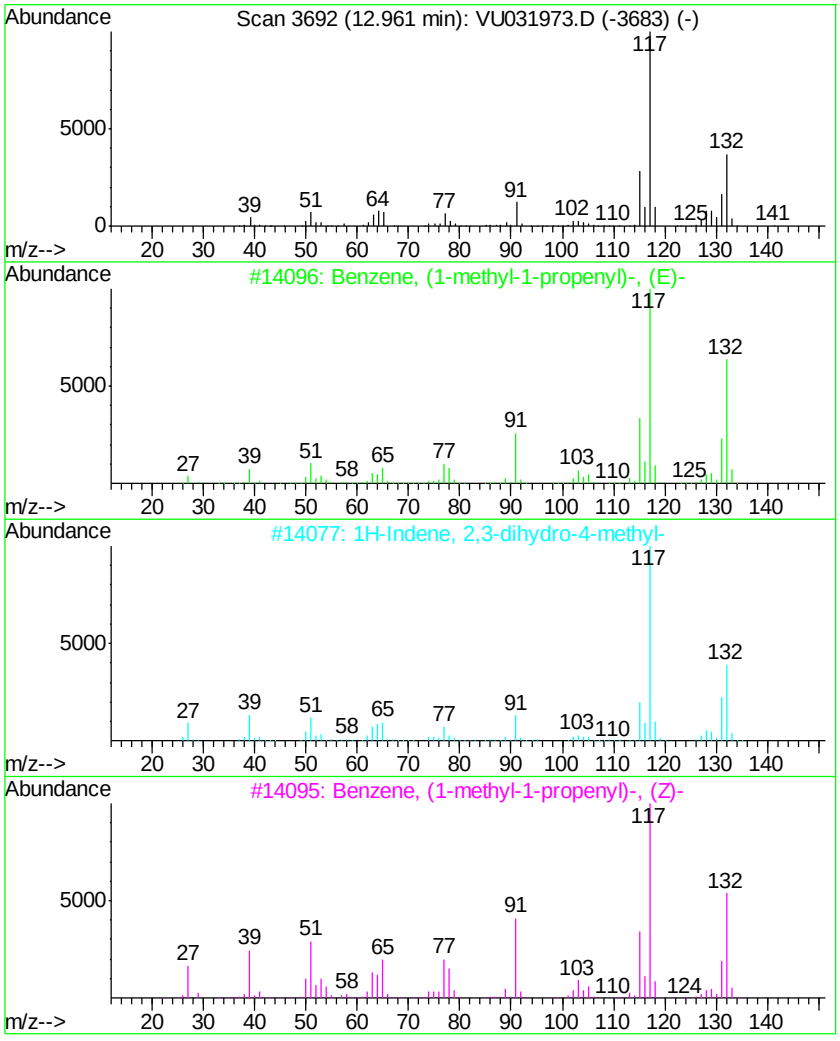
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

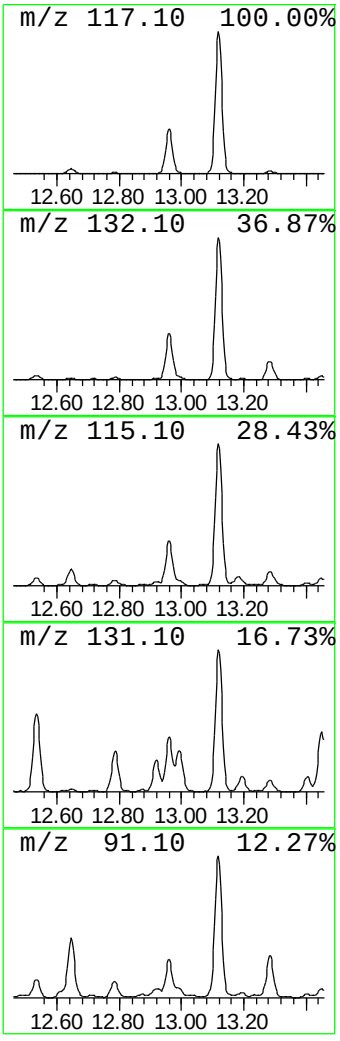
****

Peak Number 42 Benzene, (1-methyl-1-propen... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	5.64 ug/L	1831030	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	86
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	86
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

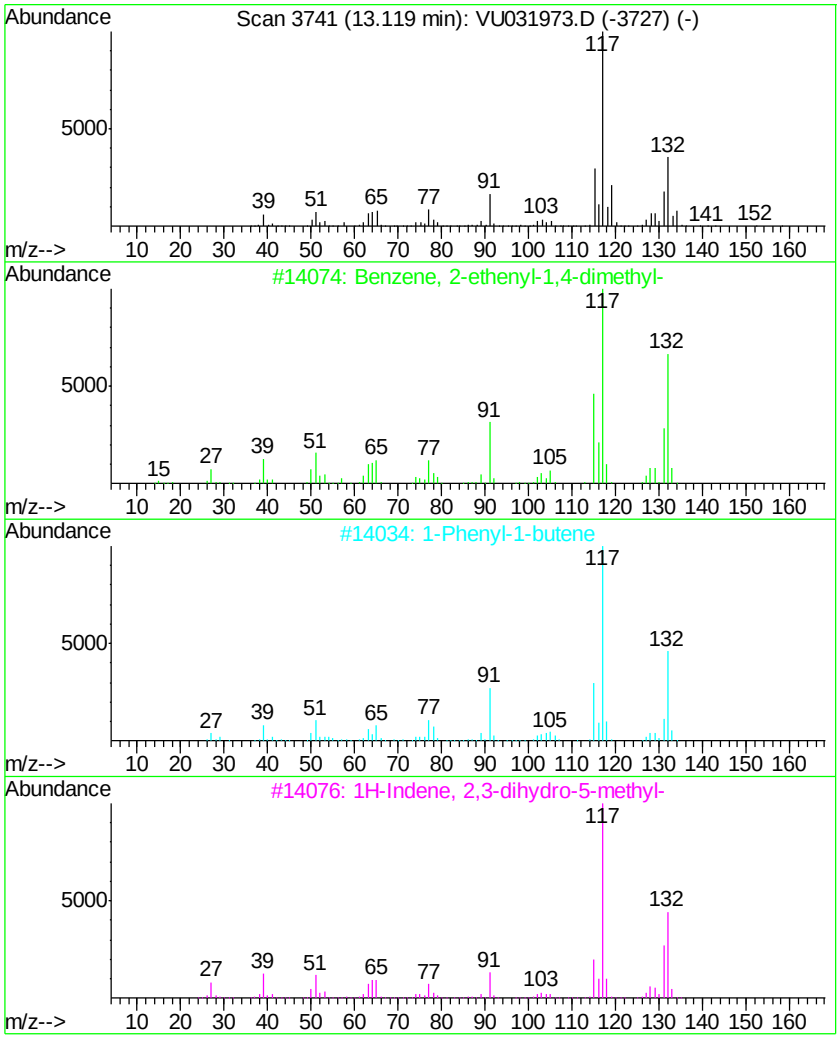
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

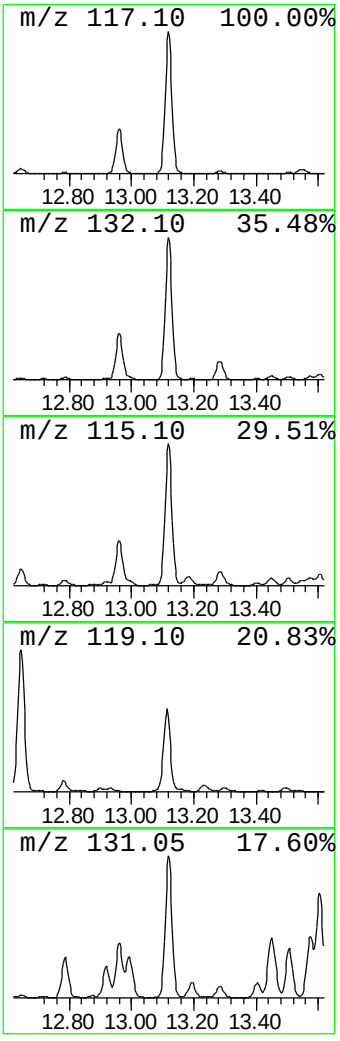
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	17.17 ug/L	5570660	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

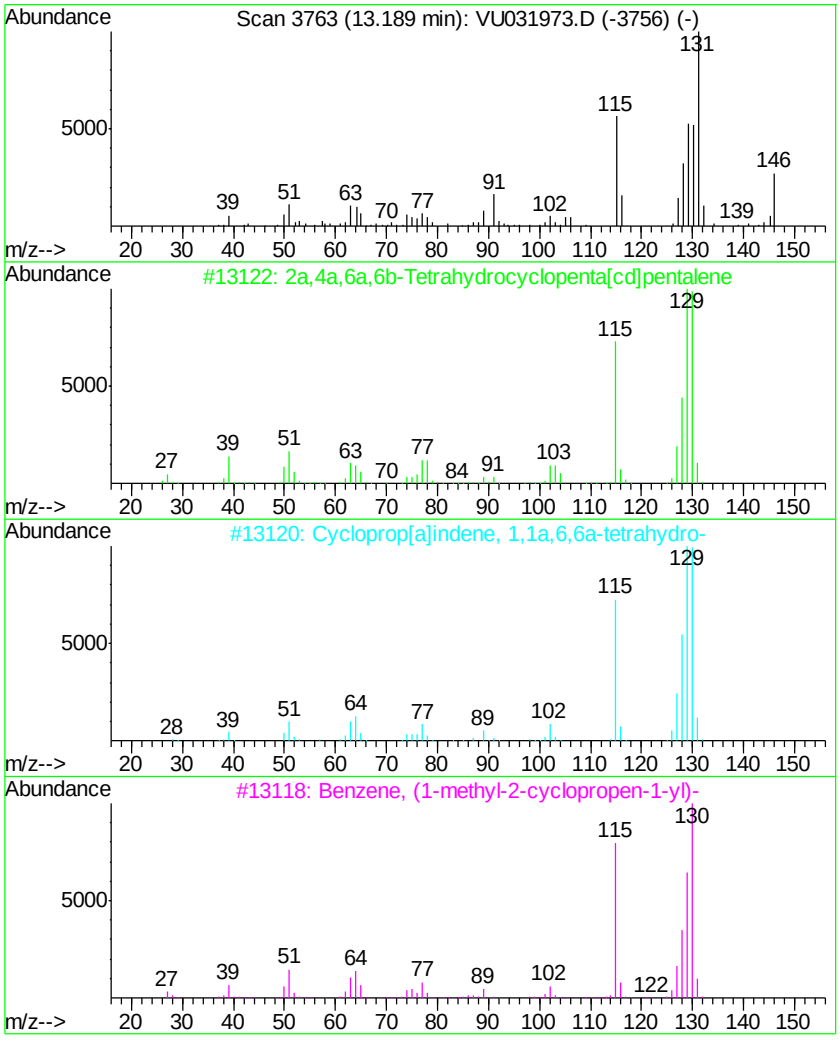
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

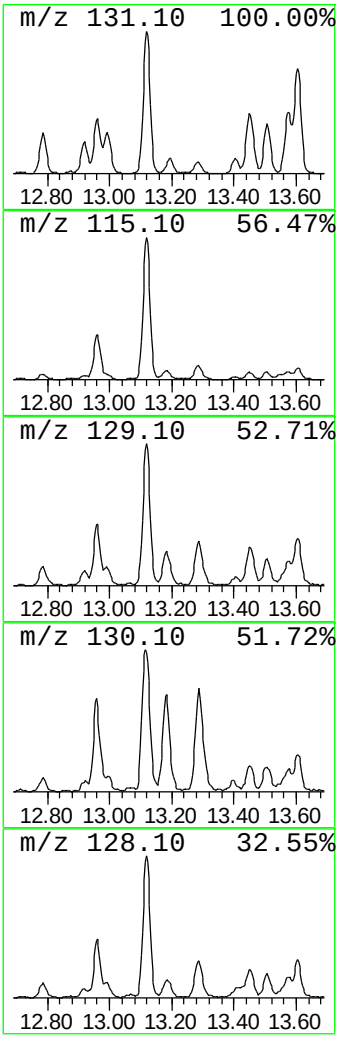
****

Peak Number 44 2a,4a,6a,6b-Tetrahydrocyclo... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	0.65 ug/L	212517	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	64
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	60
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	58
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	58
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	53





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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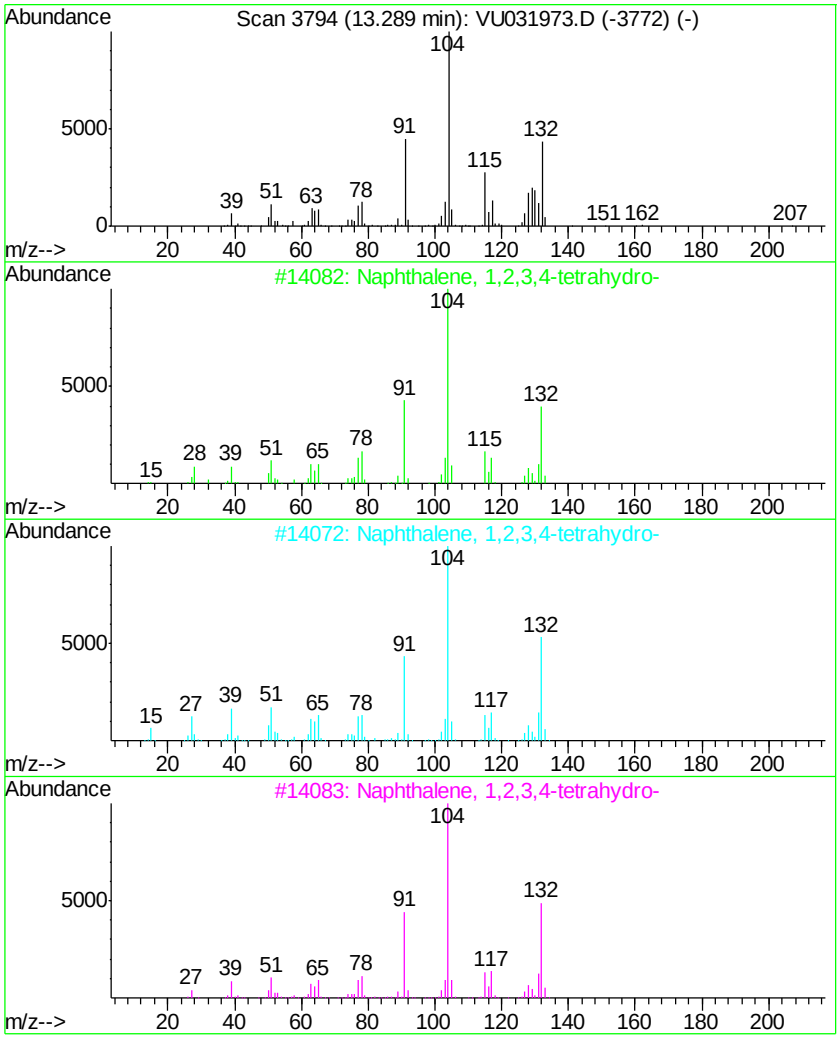
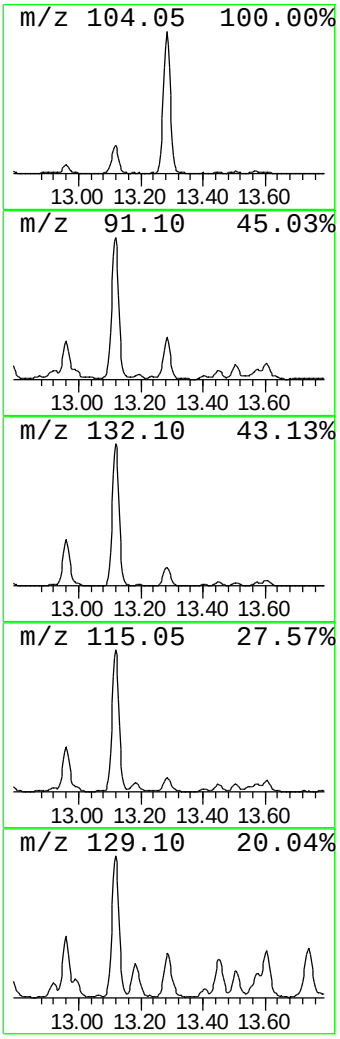
Peak Number 45 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	3.03 ug/L	982553	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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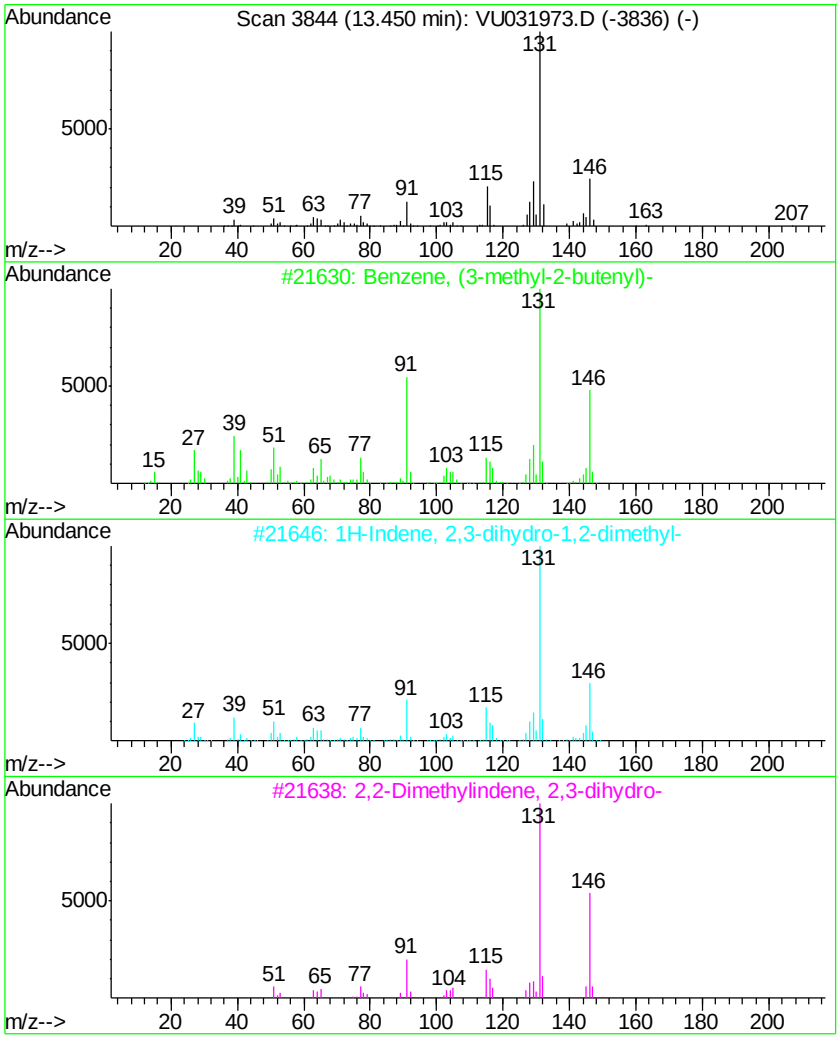
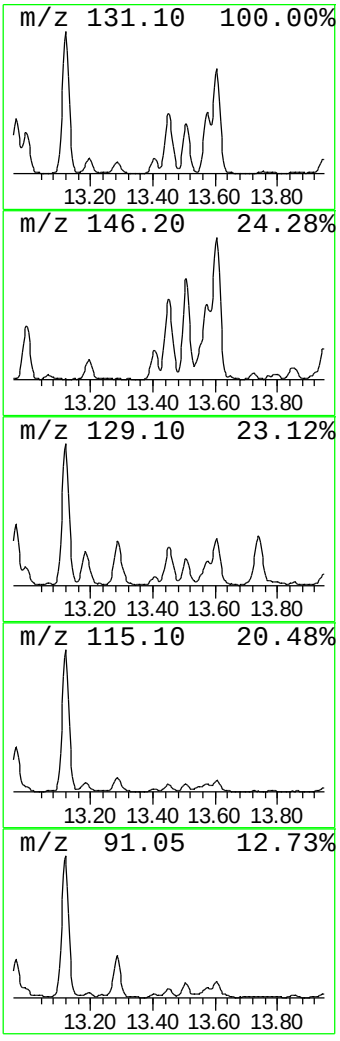
Peak Number 46 Benzene, (3-methyl-2-butenyl)- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	0.98 ug/L	318006	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

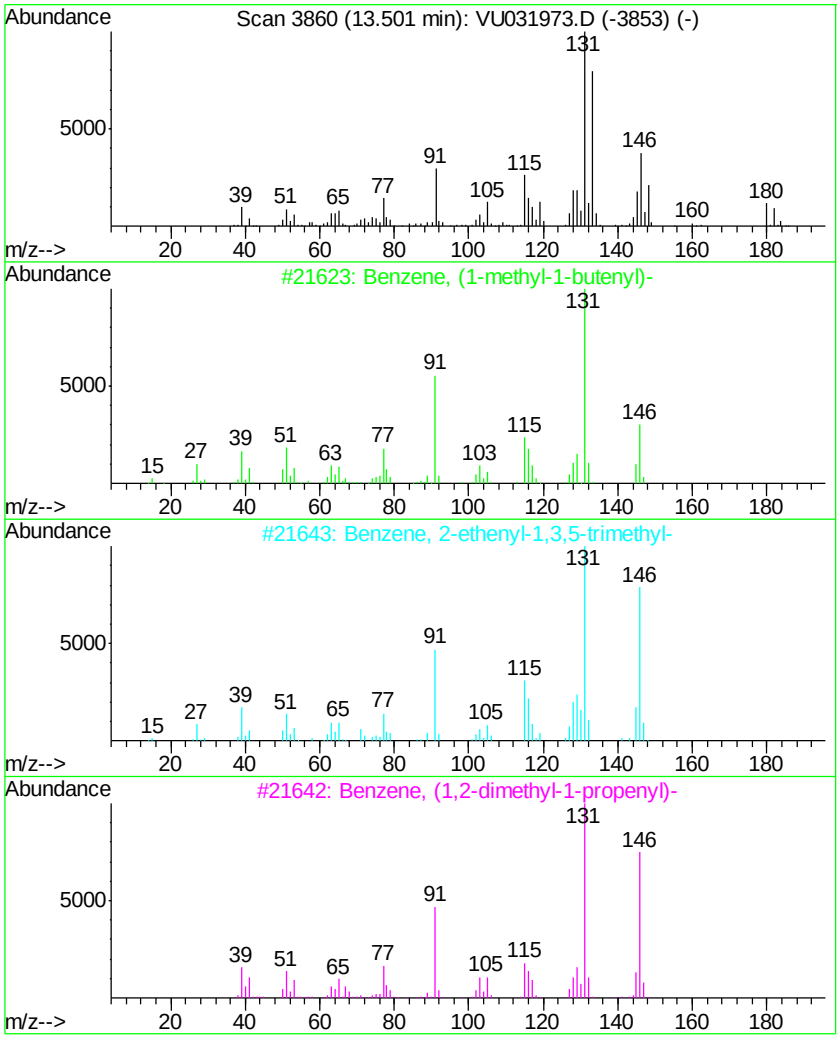
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

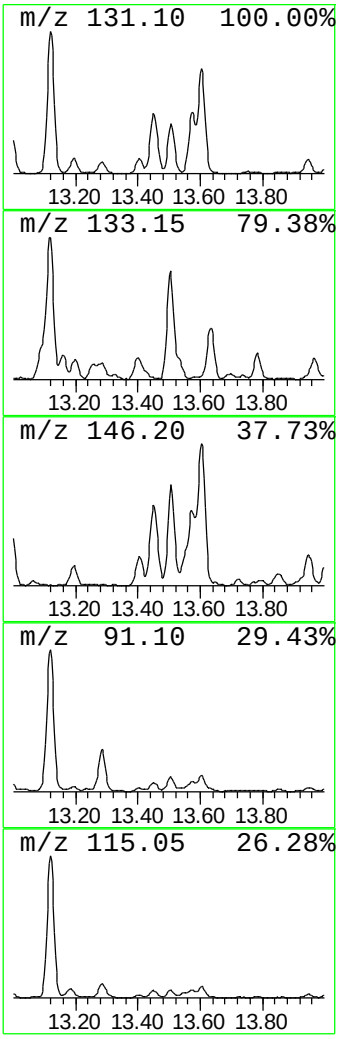
****

Peak Number 47 Benzene, (1-methyl-1-butenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	1.49 ug/L	482409	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
2	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	70
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0

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

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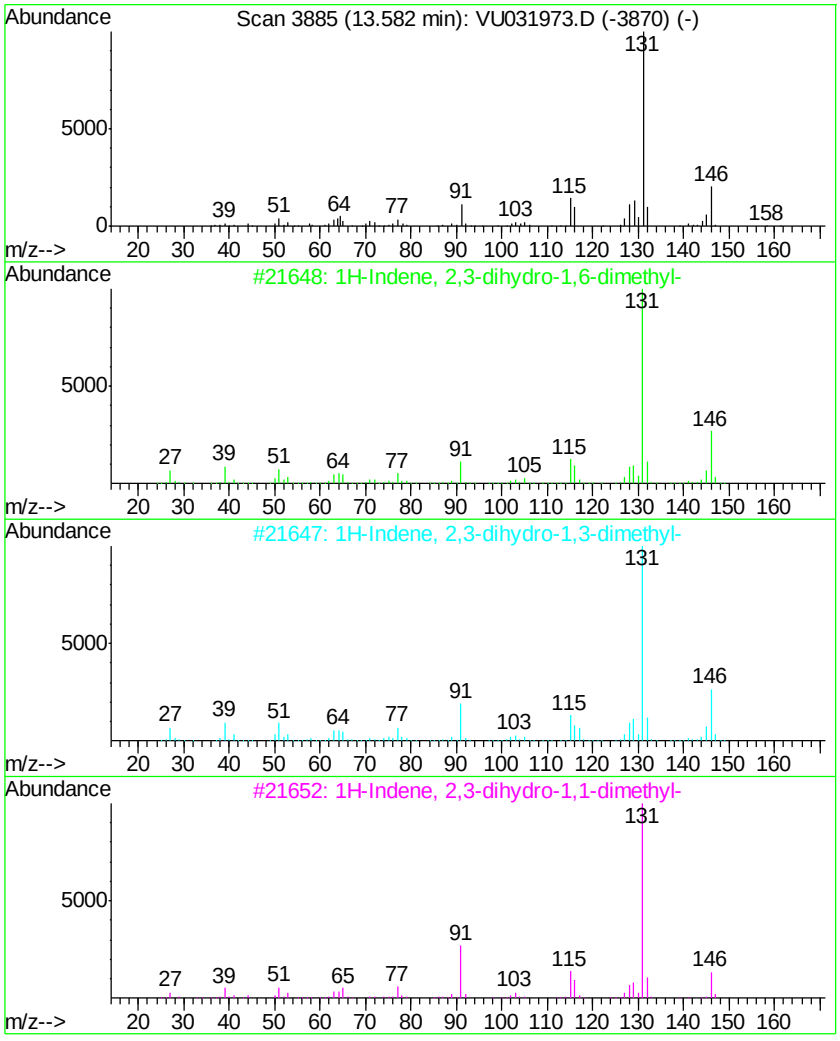
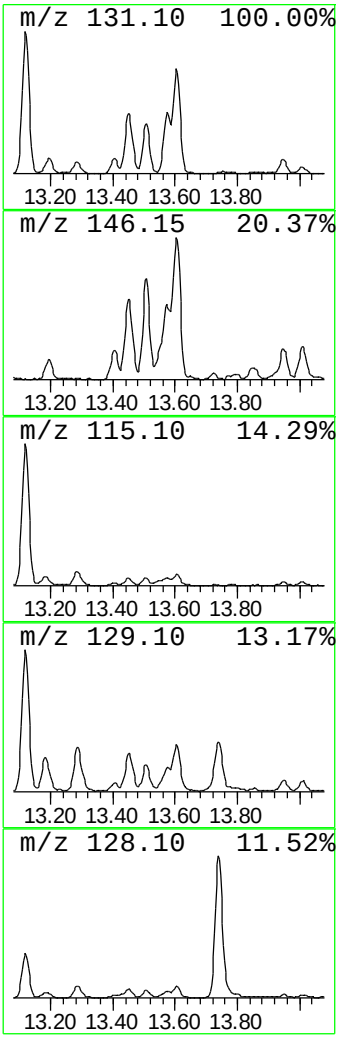
Peak Number 48 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	1.10 ug/L	358397	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	97
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	95
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051319\
Data File : VU031973.D
Acq On : 13 May 2019 17:02
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.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
(DEL) Alkane: Str...	2.98	0.6	ug/L	182061	1	5.88	1422910	5.0
(DEL) Alkane: Cyc...	4.08	1.1	ug/L	327596	1	5.88	1422910	5.0
(DEL) Alkane: Str...	5.07	0.6	ug/L	180449	1	5.88	1422910	5.0
(DEL) Alkane: Str...	5.21	0.7	ug/L	198994	1	5.88	1422910	5.0
(DEL) Alkane: Cyc...	5.47	1.4	ug/L	394416	1	5.88	1422910	5.0
(DEL) Alkane: Cyc...	5.54	1.3	ug/L	378073	1	5.88	1422910	5.0
(DEL) Alkane: Cyc...	5.61	1.8	ug/L	508699	1	5.88	1422910	5.0
(DEL) Alkane: Cyc...	6.63	0.5	ug/L	146739	1	5.88	1422910	5.0
(DEL) Alkane: Cyc...	6.73	0.5	ug/L	153003	1	5.88	1422910	5.0
Octane, 3-chloro-	6.90	0.6	ug/L	169556	1	5.88	1422910	5.0
1,3-Pentadiene, 2...	7.06	0.6	ug/L	156006	1	5.88	1422910	5.0
(DEL) Alkane: Cyc...	7.70	1.3	ug/L	400039	2	9.09	1578230	5.0
(DEL) Alkane: Cyc...	7.91	2.1	ug/L	668865	2	9.09	1578230	5.0
(DEL) Alkane: Cyc...	8.04	1.4	ug/L	446530	2	9.09	1578230	5.0
Cyclopentene, 1,2...	8.09	1.0	ug/L	326638	2	9.09	1578230	5.0
(DEL) Alkane: Cyc...	8.48	0.9	ug/L	289446	2	9.09	1578230	5.0
(DEL) Alkane: Cyc...	8.54	0.8	ug/L	247099	2	9.09	1578230	5.0
(DEL) Alkane: Cyc...	8.60	0.6	ug/L	175234	2	9.09	1578230	5.0
Pentalene, octahy...	9.18	1.4	ug/L	449342	2	9.09	1578230	5.0
Bicyclo[3.2.1]octane	9.36	1.7	ug/L	540360	2	9.09	1578230	5.0
Cyclohexene, 3-me...	9.57	0.6	ug/L	174490	2	9.09	1578230	5.0
unknown-01	9.74	1.5	ug/L	467349	2	9.09	1578230	5.0
Cyclooctene, 3-me...	9.95	0.7	ug/L	212238	2	9.09	1578230	5.0
unknown-02	10.04	0.6	ug/L	182602	2	9.09	1578230	5.0
3,4-Octadiene, 7-...	10.37	0.5	ug/L	167294	3	11.48	1622330	5.0
Benzene, 1-ethyl-...	10.97	1.0	ug/L	336058	3	11.48	1622330	5.0
Benzene, (2-methy...	11.29	1.3	ug/L	426562	3	11.48	1622330	5.0
Oxirane, 2-methyl...	11.32	1.5	ug/L	483991	3	11.48	1622330	5.0
o-Cymene	11.68	1.4	ug/L	449648	3	11.48	1622330	5.0
Benzene, cyclopro...	11.77	13.9	ug/L	4520380	3	11.48	1622330	5.0
Benzene, 1,2-diet...	11.98	1.8	ug/L	595414	3	11.48	1622330	5.0
Benzene, 4-ethyl-...	12.14	0.6	ug/L	208878	3	11.48	1622330	5.0
Benzene, 1-methyl...	12.25	6.8	ug/L	2191090	3	11.48	1622330	5.0
1-Phenyl-1-butene	12.28	3.8	ug/L	1227440	3	11.48	1622330	5.0
Indan, 1-methyl-	12.35	13.8	ug/L	4472560	3	11.48	1622330	5.0
1H-Indene, 2,3-di...	12.53	1.5	ug/L	491036	3	11.48	1622330	5.0
1H-Indene, 2,3-di...	12.78	1.3	ug/L	417587	3	11.48	1622330	5.0
1H-Indene, 2,3-di...	12.92	0.6	ug/L	208648	3	11.48	1622330	5.0
Benzene, (1-methy...	12.96	5.6	ug/L	1831030	3	11.48	1622330	5.0
Benzene, 2-etheny...	13.12	17.2	ug/L	5570660	3	11.48	1622330	5.0
2a,4a,6a,6b-Tetra...	13.19	0.7	ug/L	212517	3	11.48	1622330	5.0
Naphthalene, 1,2,...	13.29	3.0	ug/L	982553	3	11.48	1622330	5.0
Benzene, (3-methy...	13.45	1.0	ug/L	318006	3	11.48	1622330	5.0
Benzene, (1-methy...	13.50	1.5	ug/L	482409	3	11.48	1622330	5.0
1H-Indene, 2,3-di...	13.58	1.1	ug/L	358397	3	11.48	1622330	5.0