LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

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\SOMUTR053120WMA.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	1.613	73	85	94	rBV2	495345	583285	3.80%	0.557%
2	2.012	200	209	225	rVB	858659	1180195	7.70%	1.127%
3	2.224	266	275	298	rVB	189000	287152	1.87%	0.274%
4	2.591	376	389	412	rBV	226144	418474	2.73%	0.400%
5	3.051	520	532	544	rBV2	86410	260048	1.70%	0.248%
6	3.166	558	568	590	rVB	362015	758272	4.94%	0.724%
7	3.395	625	639	660	rVB3	125026	288783	1.88%	0.276%
8	4.572	988	1005	1022	rVV	283142	679700	4.43%	0.649%
9	4.687	1023	1041	1082	rVV	145562	574347	3.74%	0.548%
10	5.102	1154	1170	1182	rBV	201894	439983	2.87%	0.420%
11	5.424	1250	1270	1283	rBV	352938	807133	5.26%	0.771%
12	5.671	1320	1347	1359	rBV	373403	900289	5.87%	0.860%
13	5.761	1359	1375	1376	rBV2	396477	660351	4.31%	0.630%
14	5.809	1378	1390	1407	rVB	7621233	15336413	100.00%	14.643%
15	5.928	1420	1427	1443	rVB3	133831	316325	2.06%	0.302%
16	6.279	1523	1536	1559	rBV	372260	730999	4.77%	0.698%
17	6.723	1662	1674	1680	rBV	246240	477229	3.11%	0.456%
18	6.764	1680	1687	1702	rVV3	328787	851044	5.55%	0.813%
19	6.835	1703	1709	1718	rVV	124733	225413	1.47%	0.215%
20	6.893	1718	1727	1740	rVB3	145508	277892	1.81%	0.265%
21	7.099	1774	1791	1809	rBV	584453	1205668	7.86%	1.151%
22	7.260	1830	1841	1876	rVB2	632906	1293010	8.43%	1.235%
23	7.420	1876	1891	1903	rBV5	109542	232982	1.52%	0.222%
24	7.497	1903	1915	1930	rVB2	205362	389755	2.54%	0.372%
25	7.610	1930	1950	1974	rBV4	389332	1179447	7.69%	1.126%
26	7.784	1992	2004	2021	rVB5	98901	256823	1.67%	0.245%
27	7.915	2022	2045	2058	rBV4	1157282	2735013	17.83%	2.611%
28	7.993	2059	2069	2079	rVV	417991	770180	5.02%	0.735%
29	8.060	2079	2090	2101	rVV	582638	1130436	7.37%	1.079%
30	8.121	2102	2109	2120	rVB	169602	314659	2.05%	0.300%
31	8.198	2120	2133	2141	rBV4	138880	293324	1.91%	0.280%
32	8.263	2141	2153	2176	rVB	1422853	2770826	18.07%	2.645%
33	8.391	2178	2193	2197	rBV2	185586	348727	2.27%	0.333%
34	8.430	2197	2205	2220	rVB	653654	1187308	7.74%	1.134%

LSC Area Percent Report

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Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

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\SOMUTR053120WMA.M
Title : TRACE VOA SOM01.0

35	8.655	2256	2275	2289	rBV	907310	1747806	11.40%	1.669%
36	8.829	2317	2329	2342	rVB6	269768	583189	3.80%	0.557%
37	8.944	2355	2365	2375	rBV	753038	1379689	9.00%	1.317%
38	9.089	2399	2410	2427	rVB3	363475	691053	4.51%	0.660%
39	9.182	2428	2439	2454	rBV	308962	587124	3.83%	0.561%
40	9.282	2458	2470	2479	rBV	178607	333692	2.18%	0.319%
41	9.340	2480	2488	2499	rVB7	123843	242558	1.58%	0.232%
42	9.436	2507	2518	2525	rBV	518875	874383	5.70%	0.835%
43	9.485	2525	2533	2542	rVV2	471634	850656	5.55%	0.812%
44	9.539	2542	2550	2556	rVV5	179499	370397	2.42%	0.354%
45	9.587	2556	2565	2580	rVB	716425	1321165	8.61%	1.261%
46	9.713	2592	2604	2617	rVB8	571436	1445216	9.42%	1.380%
47	9.845	2633	2645	2652	rBV4	180257	361558	2.36%	0.345%
48	9.906	2653	2664	2677	rVB6	162173	394659	2.57%	0.377%
49	10.050	2692	2709	2726	rBV8	390535	1407661	9.18%	1.344%
50	10.250	2760	2771	2776	rBV4	137880	248037	1.62%	0.237%
51	10.288	2776	2783	2798	rVB5	264548	527727	3.44%	0.504%
52	10.497	2840	2848	2856	rBV	300837	449514	2.93%	0.429%
53	10.713	2907	2915	2922	rVV3	154754	235812	1.54%	0.225%
54	10.771	2926	2933	2942	rVV	202050	378507	2.47%	0.361%
55	10.825	2943	2950	2966	rVB6	223799	385034	2.51%	0.368%
56	11.304	3090	3099	3122	rVB	432021	952343	6.21%	0.909%
57	11.427	3123	3137	3146	rBV4	171373	369703	2.41%	0.353%
58	11.623	3185	3198	3200	rVV	1137210	1504274	9.81%	1.436%
59	11.655	3201	3208	3227	rVB	4576847	7222863	47.10%	6.896%
60	11.822	3248	3260	3271	rBV	694944	1192855	7.78%	1.139%
61	12.018	3312	3321	3332	rBV2	233528	367029	2.39%	0.350%
62	12.108	3339	3349	3359	rVB2	834977	1271289	8.29%	1.214%
63	12.201	3368	3378	3399	rVB3	769058	1638323	10.68%	1.564%
64	12.452	3451	3456	3476	rVB3	137701	293204	1.91%	0.280%
65	12.591	3479	3499	3504	rBV4	387995	1016141	6.63%	0.970%
66	12.626	3505	3510	3522	rVV	334890	584642	3.81%	0.558%
67	12.693	3523	3531	3539	rVV	730161	1267650	8.27%	1.210%
68	12.738	3539	3545	3551	rVV	452412	730836	4.77%	0.698%
69	12.774	3552	3556	3566	rVB2	237155	339449	2.21%	0.324%
70	12.877	3581	3588	3603	rVB5	339514	696585	4.54%	0.665%
71	12.957	3604	3613	3620	rBV2	502002	826862	5.39%	0.789%

LSC Area Percent Report

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Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

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\SOMUTR053120WMA.M
Title : TRACE VOA SOM01.0

72	13.002	3621	3627	3637	rVB	485269	732141	4.77%	0.699%
73	13.137	3657	3669	3684	rBV	918297	1601865	10.44%	1.529%
74	13.349	3728	3735	3745	rVB	795914	1217511	7.94%	1.162%
75	13.475	3764	3774	3788	rBV5	603049	1250812	8.16%	1.194%
76	13.549	3789	3797	3808	rVV5	467607	884665	5.77%	0.845%
77	13.610	3810	3816	3823	rVV	238242	401985	2.62%	0.384%
78	13.655	3823	3830	3846	rVB	363006	670964	4.37%	0.641%
79	13.780	3856	3869	3870	rBV2	282126	472303	3.08%	0.451%
80	13.809	3871	3878	3885	rVB2	716666	1045437	6.82%	0.998%
81	13.854	3885	3892	3901	rVB	653781	968777	6.32%	0.925%
82	13.912	3902	3910	3914	rBV	762736	1156998	7.54%	1.105%
83	13.970	3921	3928	3939	rVB	3490353	5529731	36.06%	5.280%
84	14.089	3956	3965	3974	rBV2	378133	614646	4.01%	0.587%
85	14.285	4017	4026	4030	rBV	318227	495520	3.23%	0.473%
86	14.317	4031	4036	4047	rVV3	423745	767202	5.00%	0.732%
87	14.385	4048	4057	4065	rVV3	410906	739527	4.82%	0.706%
88	14.507	4089	4095	4103	rVV2	209375	315464	2.06%	0.301%
89	14.552	4104	4109	4116	rVB2	210065	271229	1.77%	0.259%
90	14.658	4137	4142	4164	rVB5	336823	726944	4.74%	0.694%
91	14.803	4181	4187	4206	rVB5	278071	525761	3.43%	0.502%
92	14.915	4212	4222	4234	rVB4	899634	1701822	11.10%	1.625%
93	15.066	4259	4269	4280	rBV4	482812	915013	5.97%	0.874%
94	15.201	4301	4311	4321	rBV4	399667	814268	5.31%	0.777%
95	15.314	4336	4346	4364	rVB3	938567	1910094	12.45%	1.824%
96	15.468	4382	4394	4404	rBV	626477	1179231	7.69%	1.126%
97	16.066	4574	4580	4591	rVB5	238494	387665	2.53%	0.370%
98	16.449	4688	4699	4711	rBV	866512	1414648	9.22%	1.351%
99	16.587	4733	4742	4755	rVB5	230821	414930	2.71%	0.396%
100	17.404	4988	4996	5011	rVB2	181187	359524	2.34%	0.343%

Sum of corrected areas: 104737647

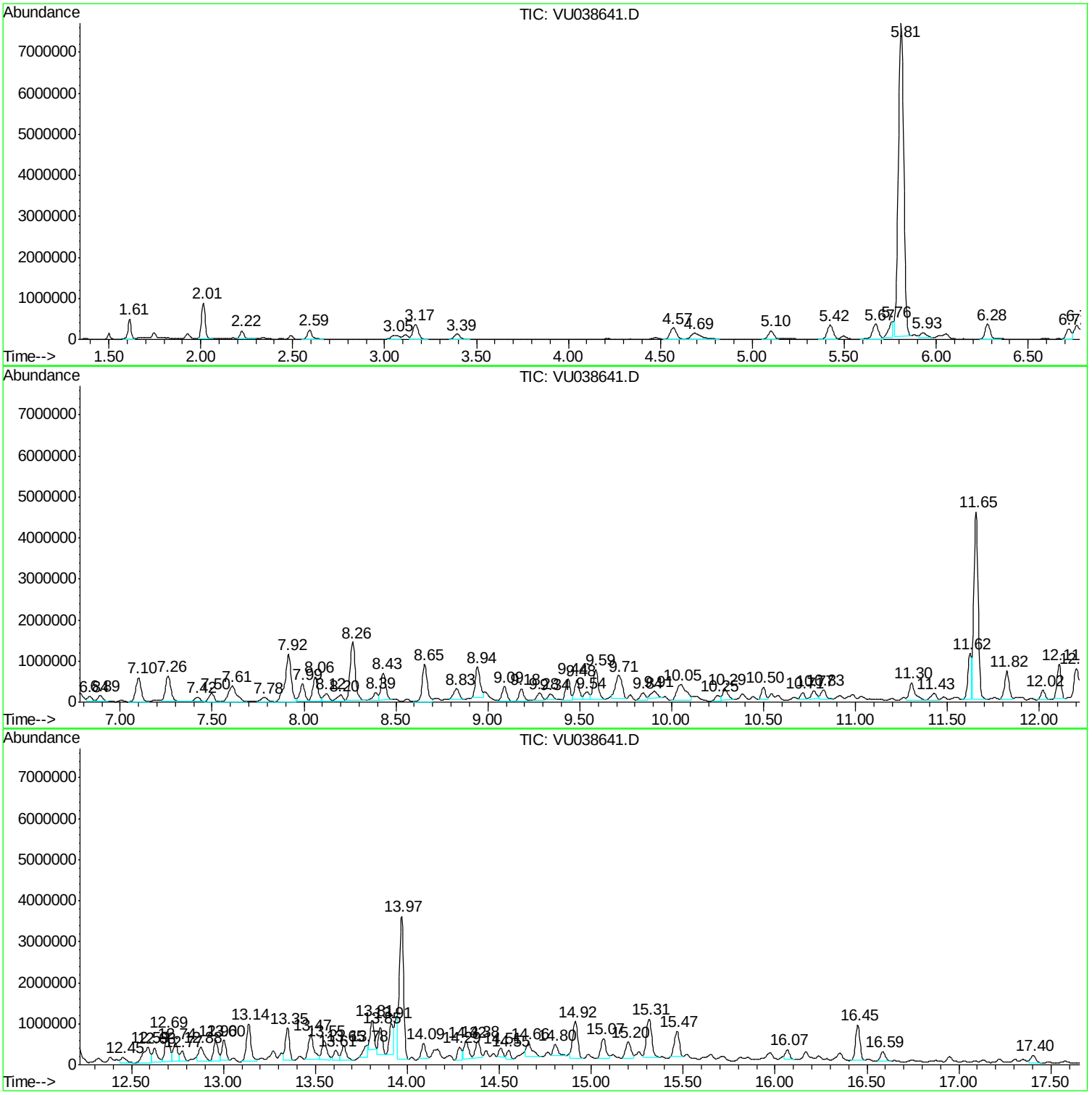
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

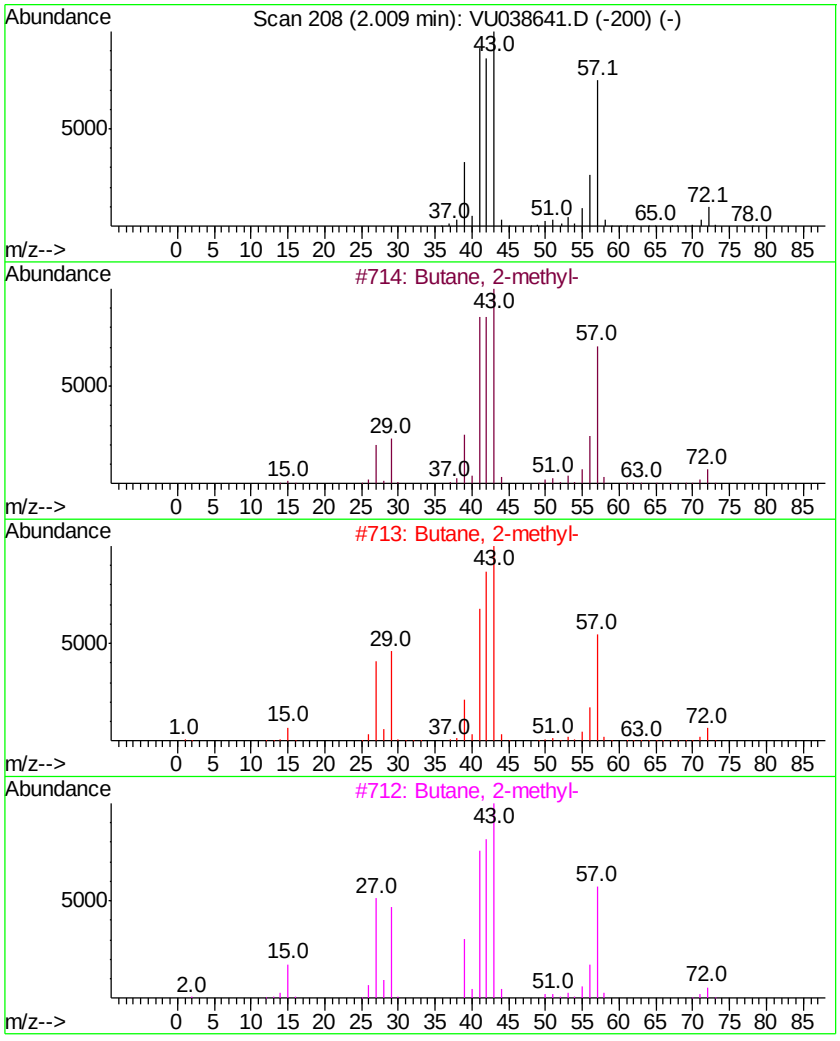
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

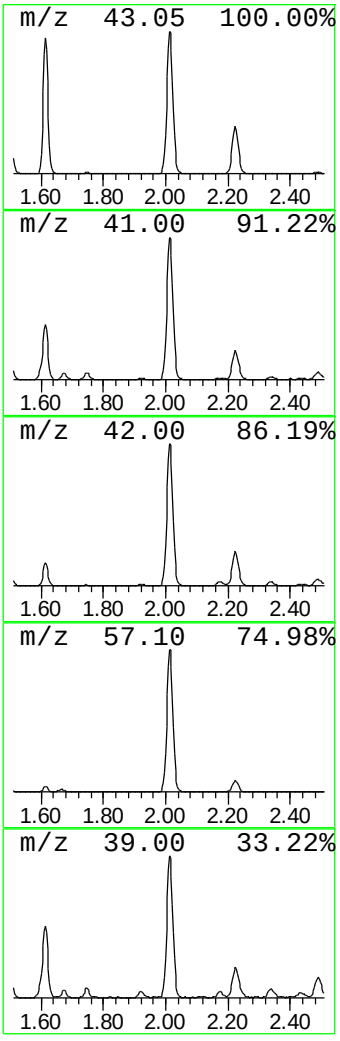
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	8.07 ug/L	1180200	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	80
4	Pentane	72	C5H12	000109-66-0	28
5	3-Buten-1-ol	72	C4H8O	000627-27-0	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

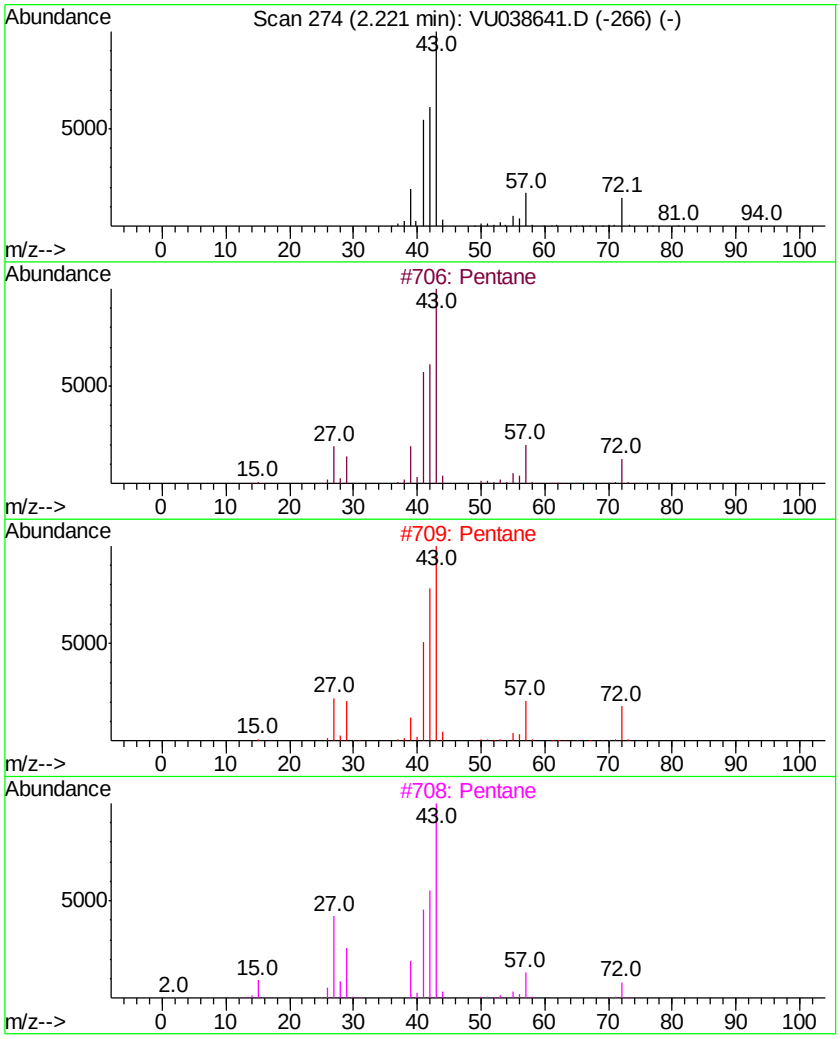
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

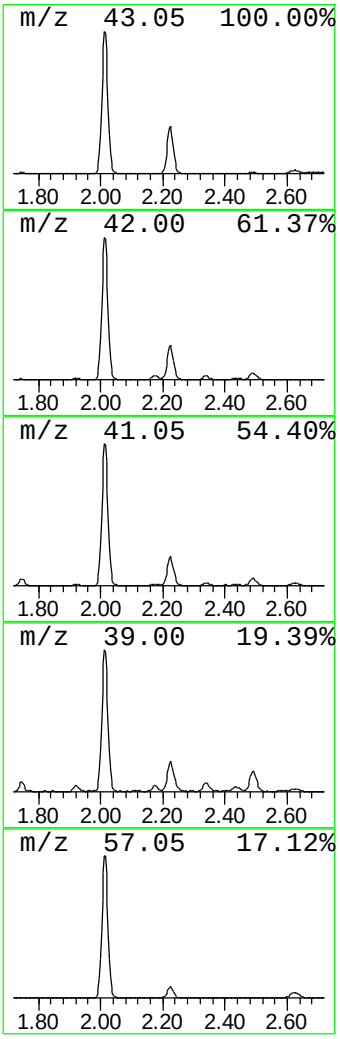
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	1.96 ug/L	287152	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	90
4	Pentane	72	C5H12	000109-66-0	86
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

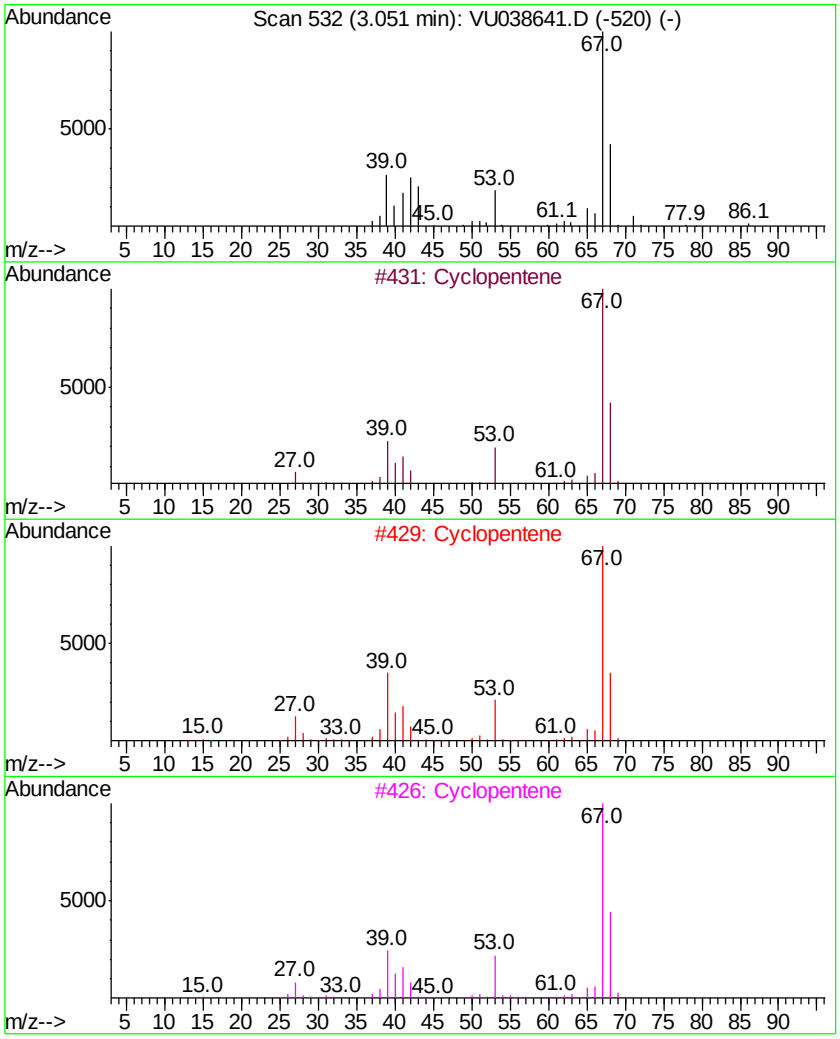
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

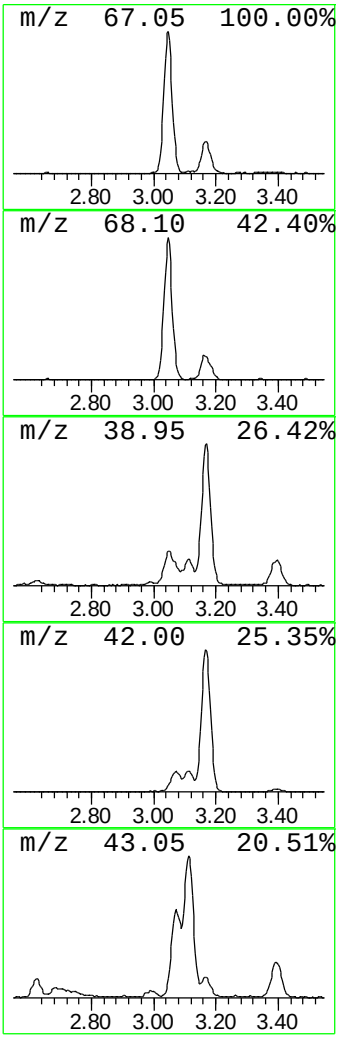
****

Peak Number 3 Cyclopentene Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	1.78 ug/L	260048	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	83
2	Cyclopentene	68	C5H8	000142-29-0	80
3	Cyclopentene	68	C5H8	000142-29-0	72
4	Cyclopentene	68	C5H8	000142-29-0	64
5	Bicyclo[2.1.0]pentane	68	C5H8	000185-94-4	59





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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

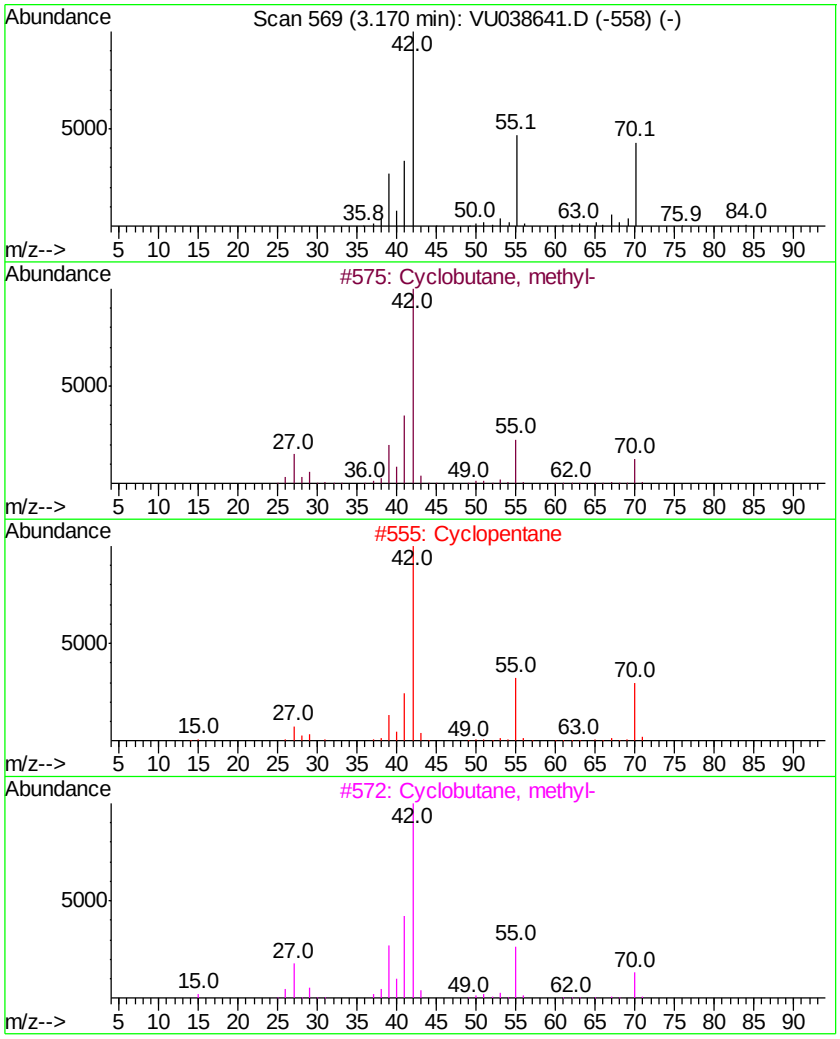
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

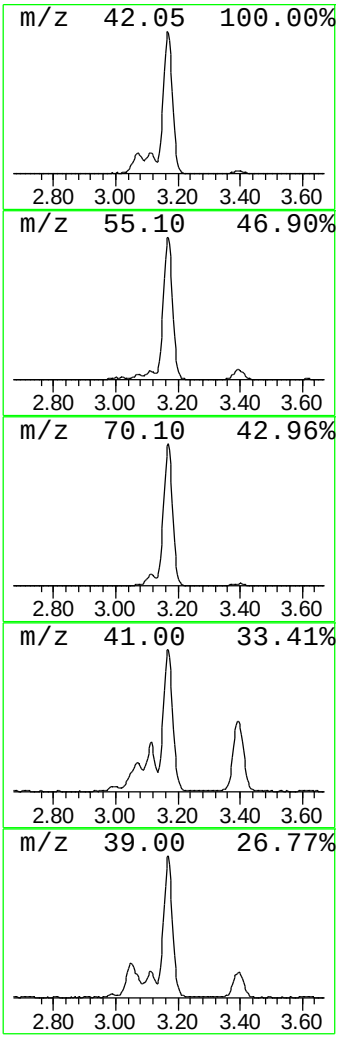
****

Peak Number 4 (DEL) Alkane: Cyclic3.17 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	5.19 ug/L	758272	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	86
2	Cyclopentane	70	C5H10	000287-92-3	78
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
4	Cyclopentane	70	C5H10	000287-92-3	72
5	1-Pentene	70	C5H10	000109-67-1	64





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

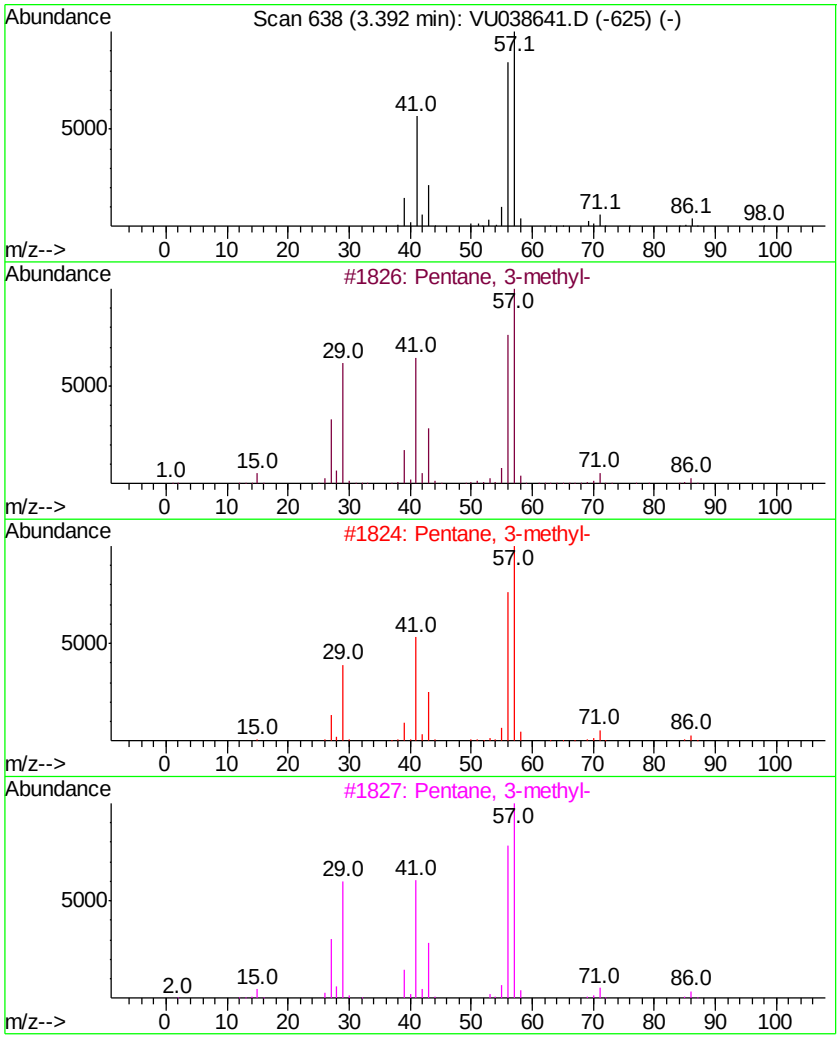
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

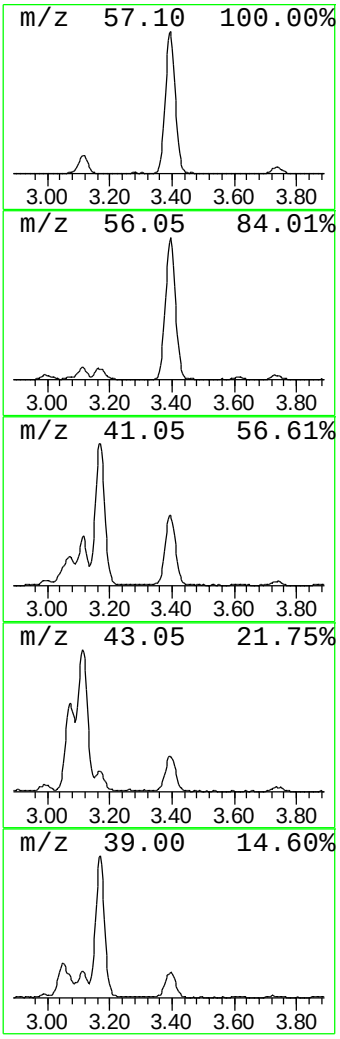
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	1.98 ug/L	288783	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

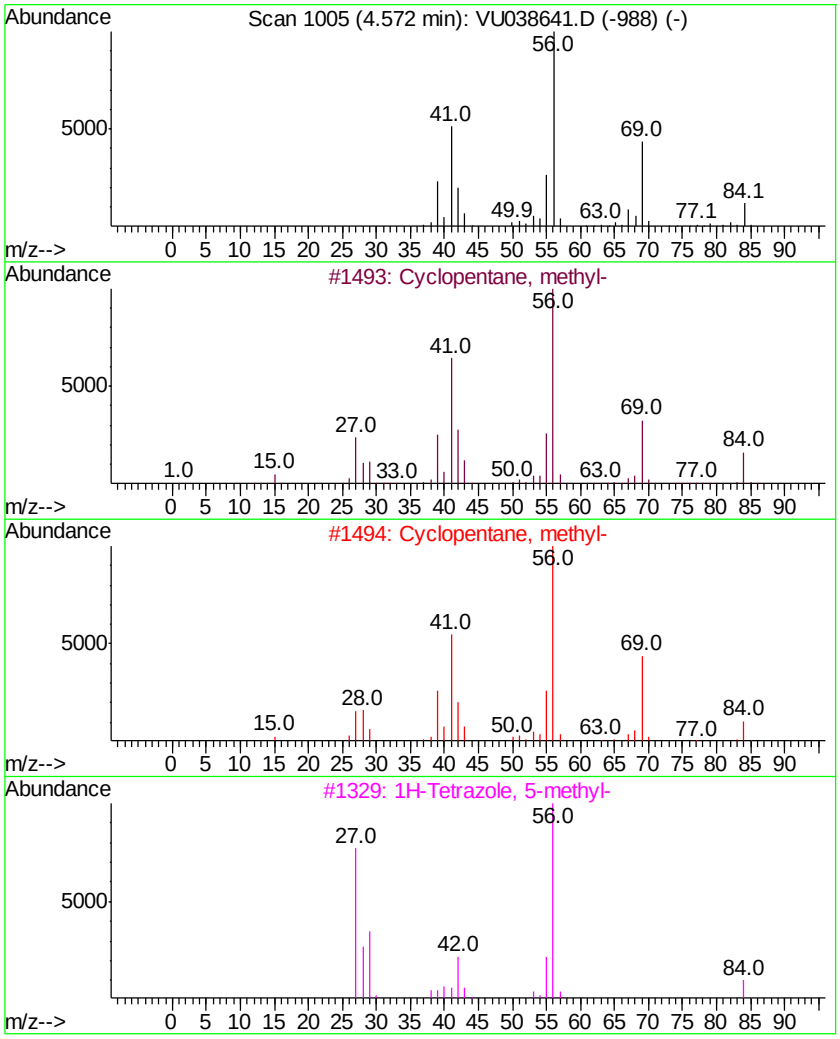
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

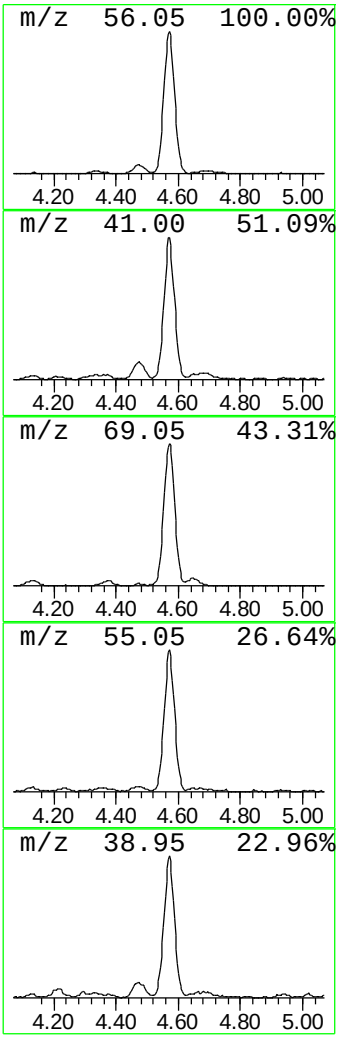
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic4.57 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	4.65 ug/L	679700	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
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	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

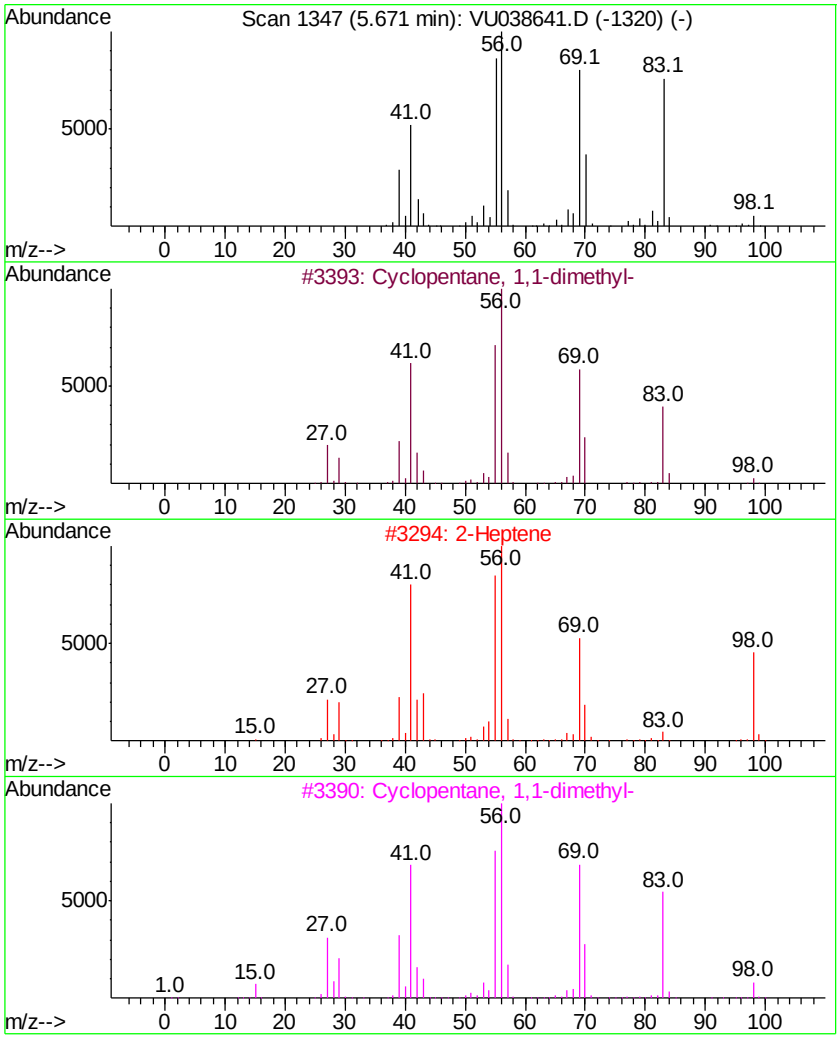
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

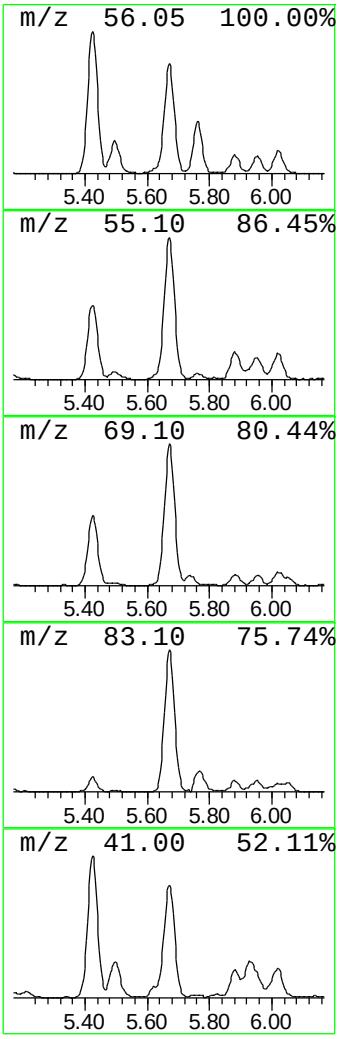
****

Peak Number 7 (DEL) Alkane: Cyclic5.67 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.67	6.16 ug/L	900289	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	91
2	2-Heptene	98	C7H14	000592-77-8	53
3	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	43
4	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	41
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

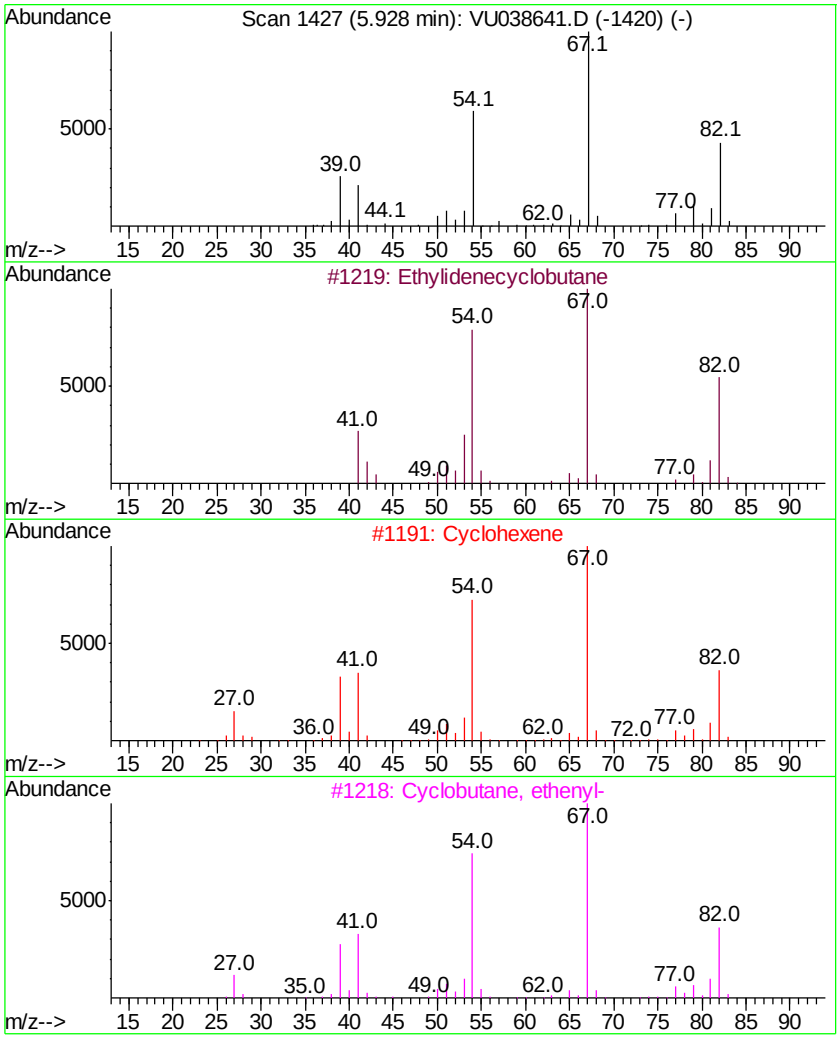
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

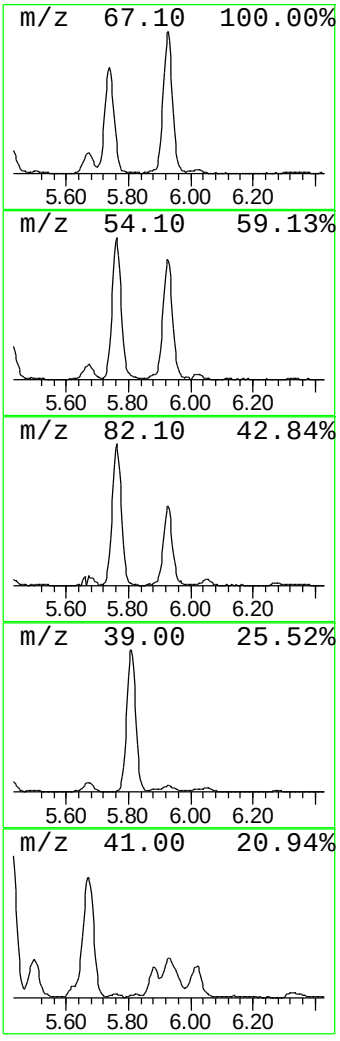
****

Peak Number 8 Ethylidenecyclobutane Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	2.16 ug/L	316325	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylidenecyclobutane	82	C6H10	001528-21-8	90
2	Cyclohexene	82	C6H10	000110-83-8	90
3	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	90
4	Cyclohexene	82	C6H10	000110-83-8	87
5	(Z),(Z)-2,4-Hexadiene	82	C6H10	006108-61-8	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

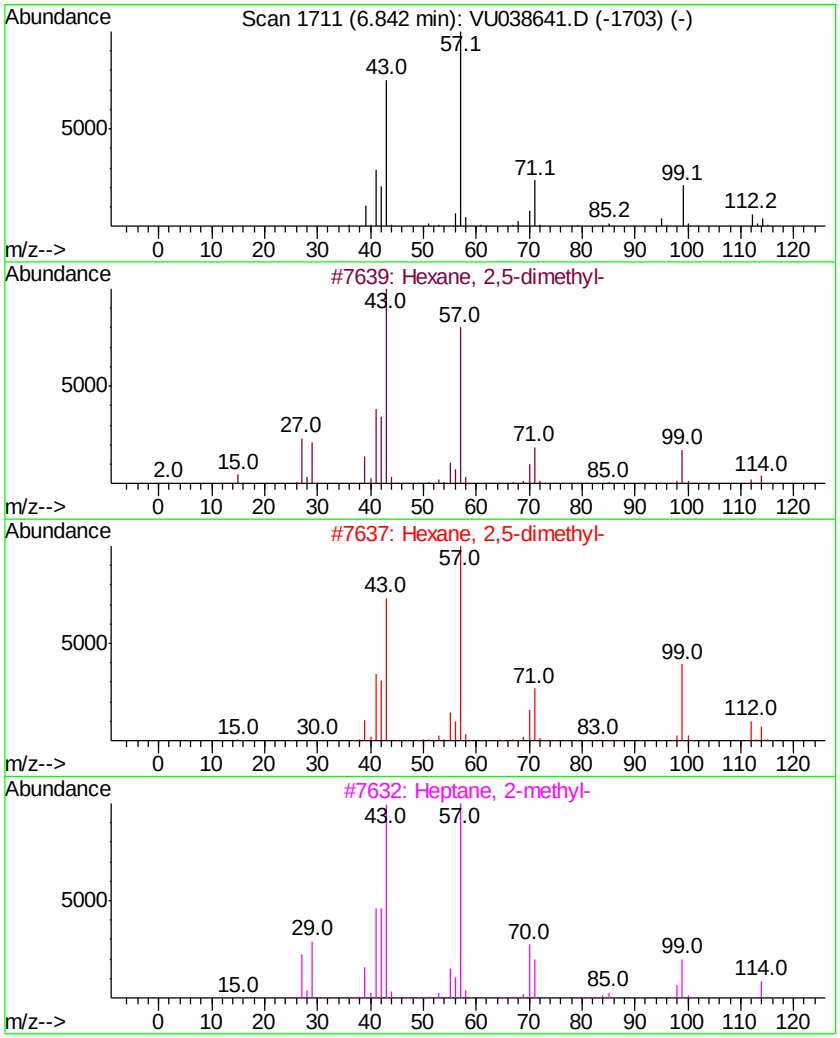
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

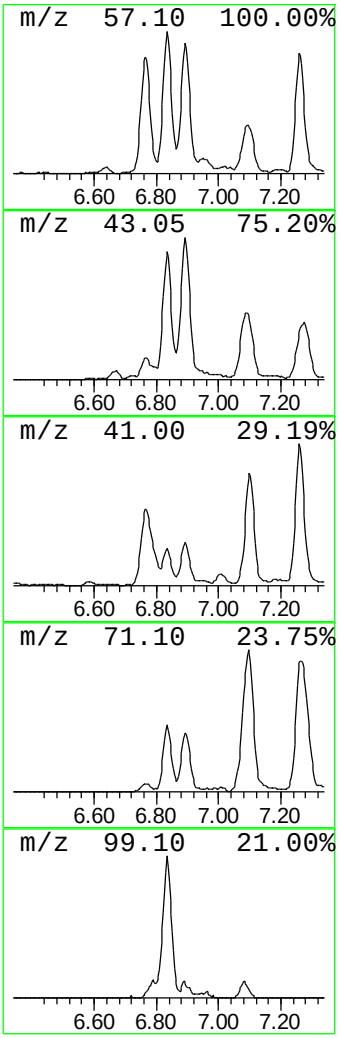
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	1.54 ug/L	225413	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	91
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	50
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	50





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Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

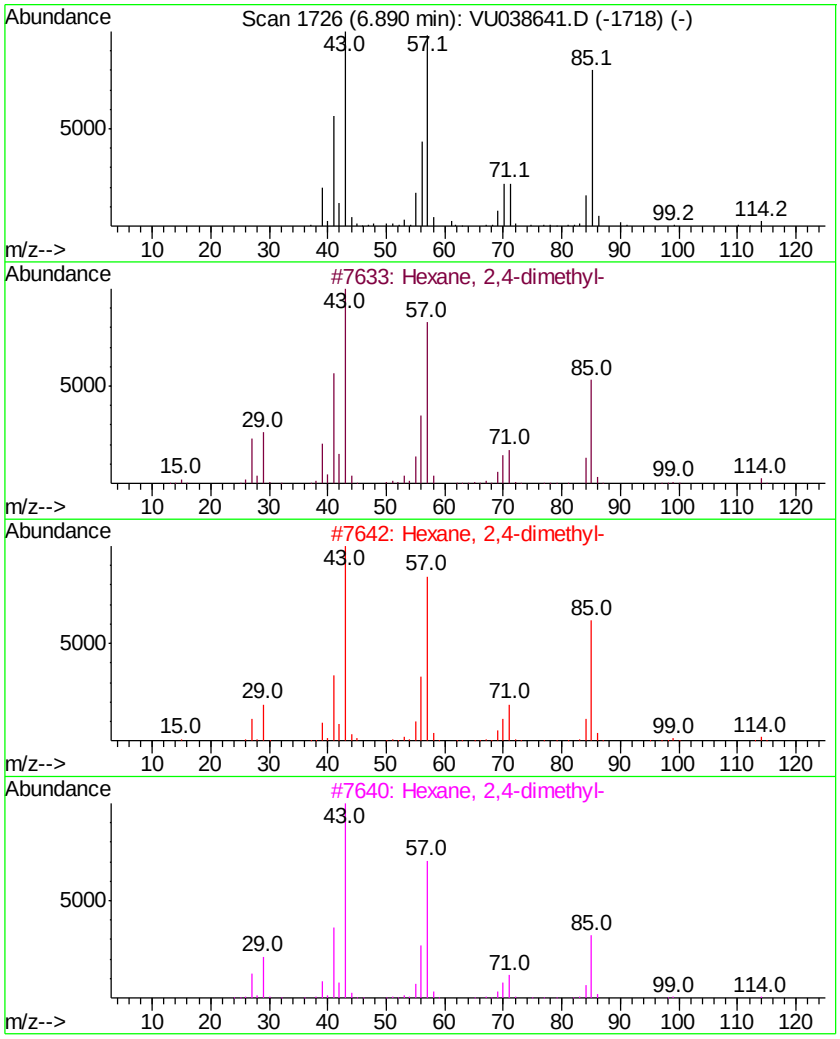
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

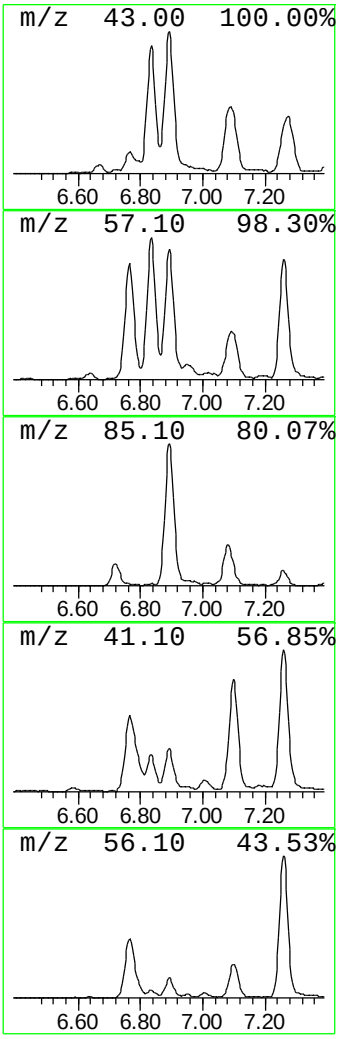
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	1.90 ug/L	277892	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	96
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

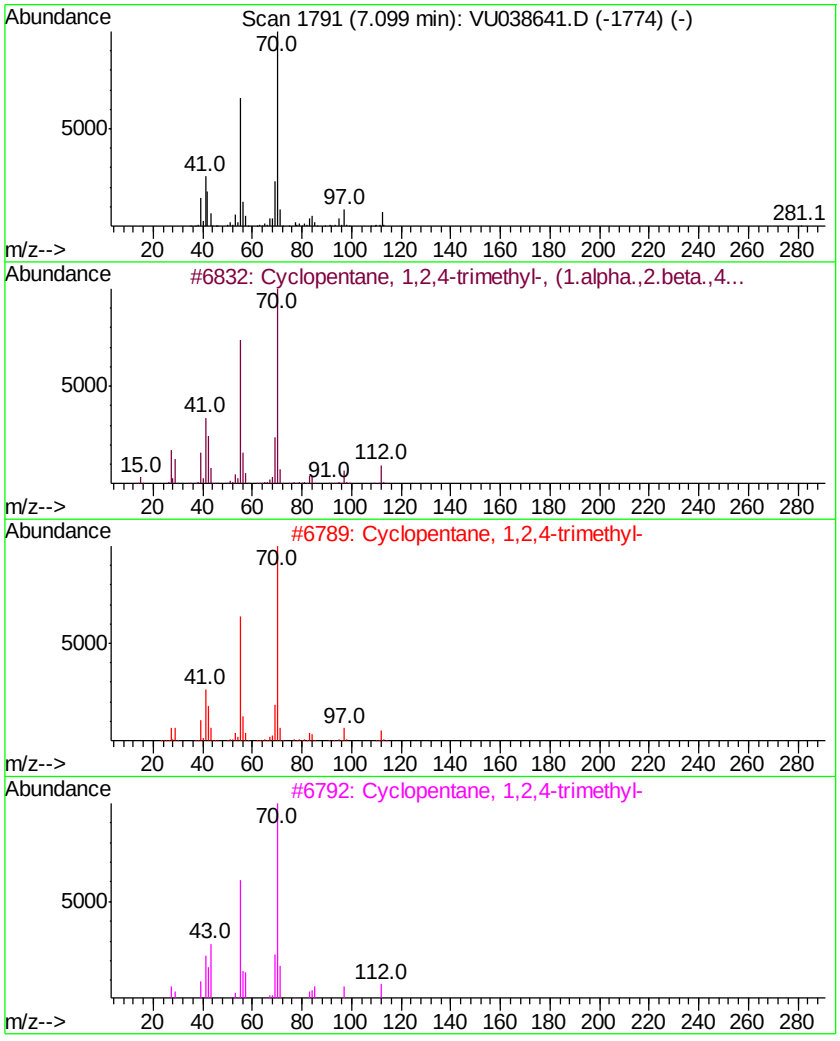
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

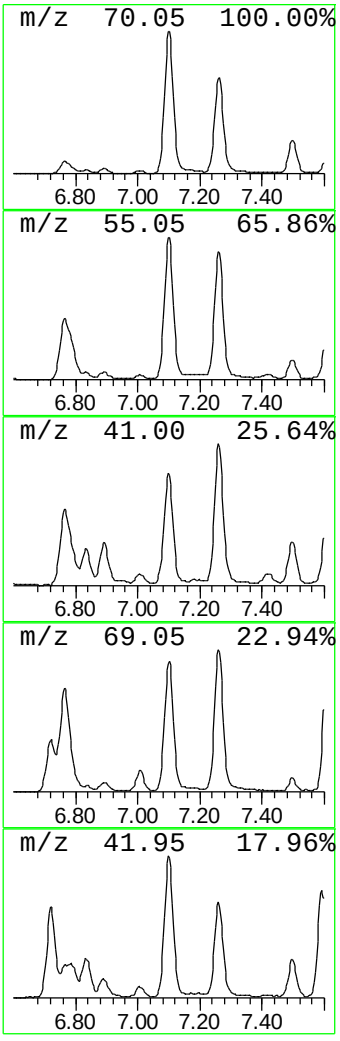
****

Peak Number 11 (DEL) Alkane: Cyclic7.10 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	8.25 ug/L	1205670	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	87
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

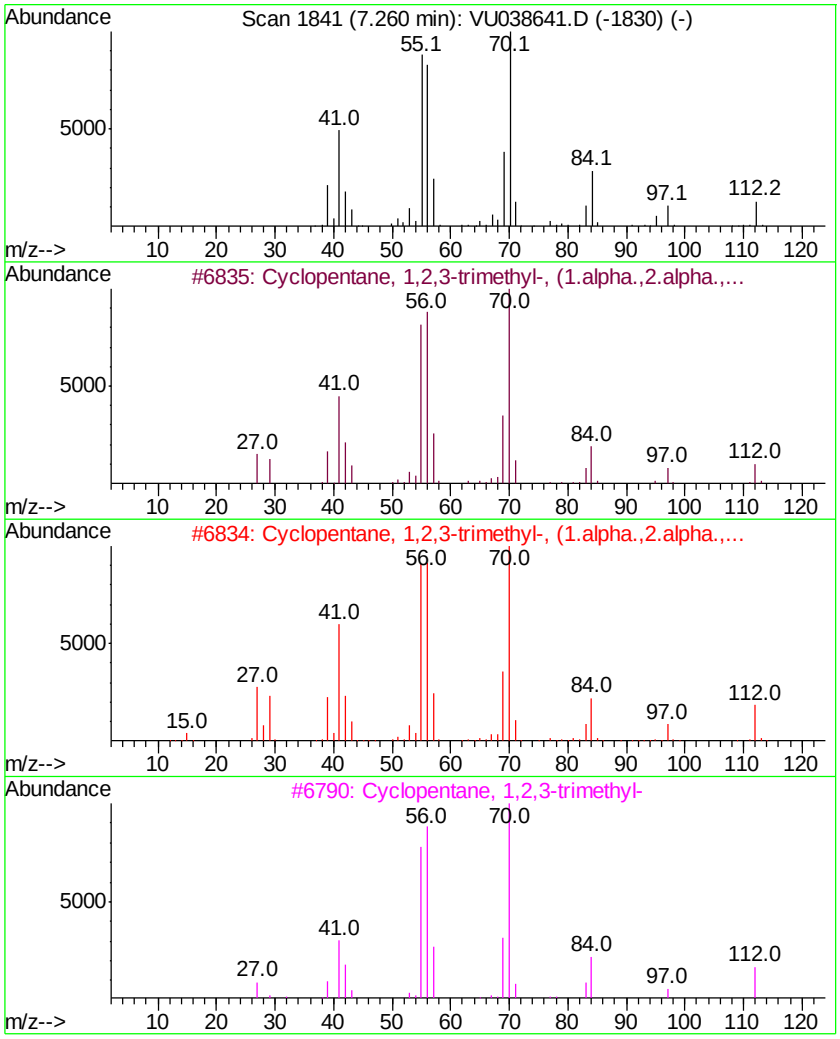
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

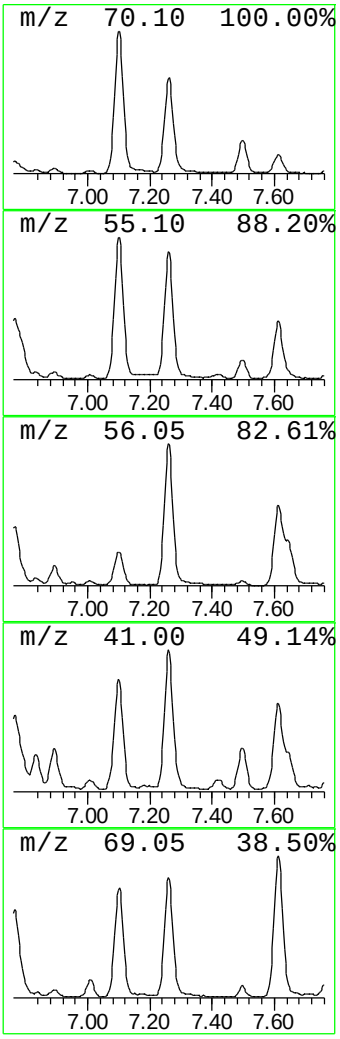
****

Peak Number 12 (DEL) Alkane: Cyclic7.26 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	8.84 ug/L	1293010	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
5	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	72





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Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

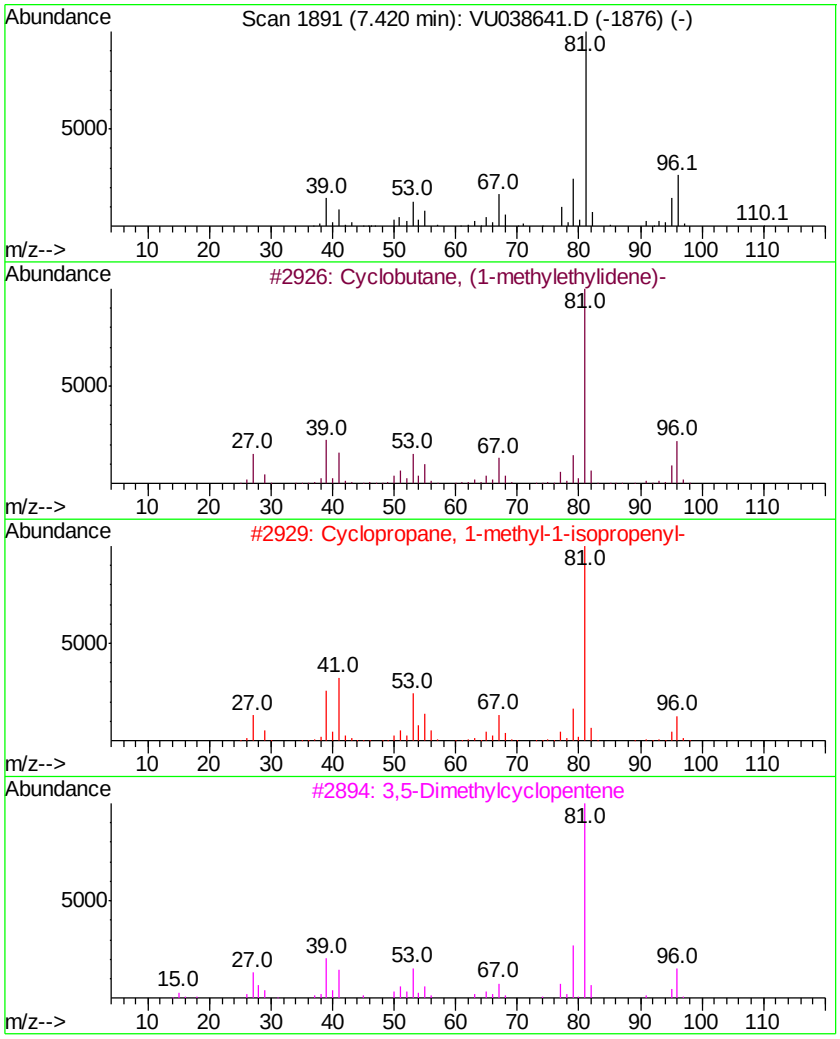
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

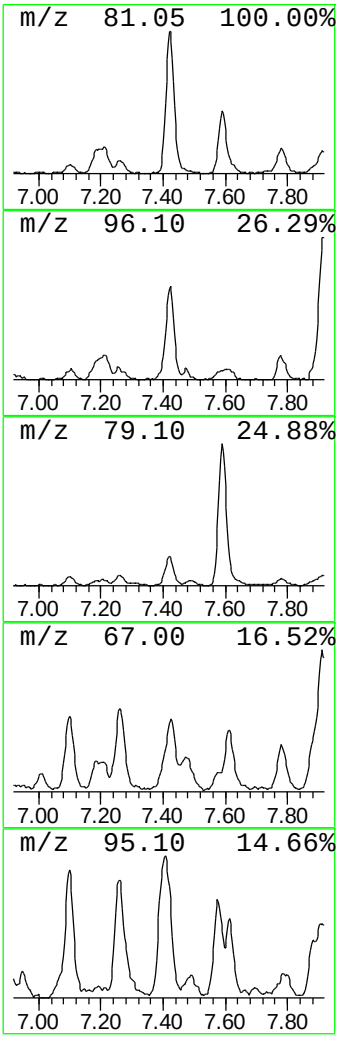
****

Peak Number 13 Cyclobutane, (1-methylethyl... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	1.59 ug/L	232982	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	78
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
4	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	72
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72





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Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

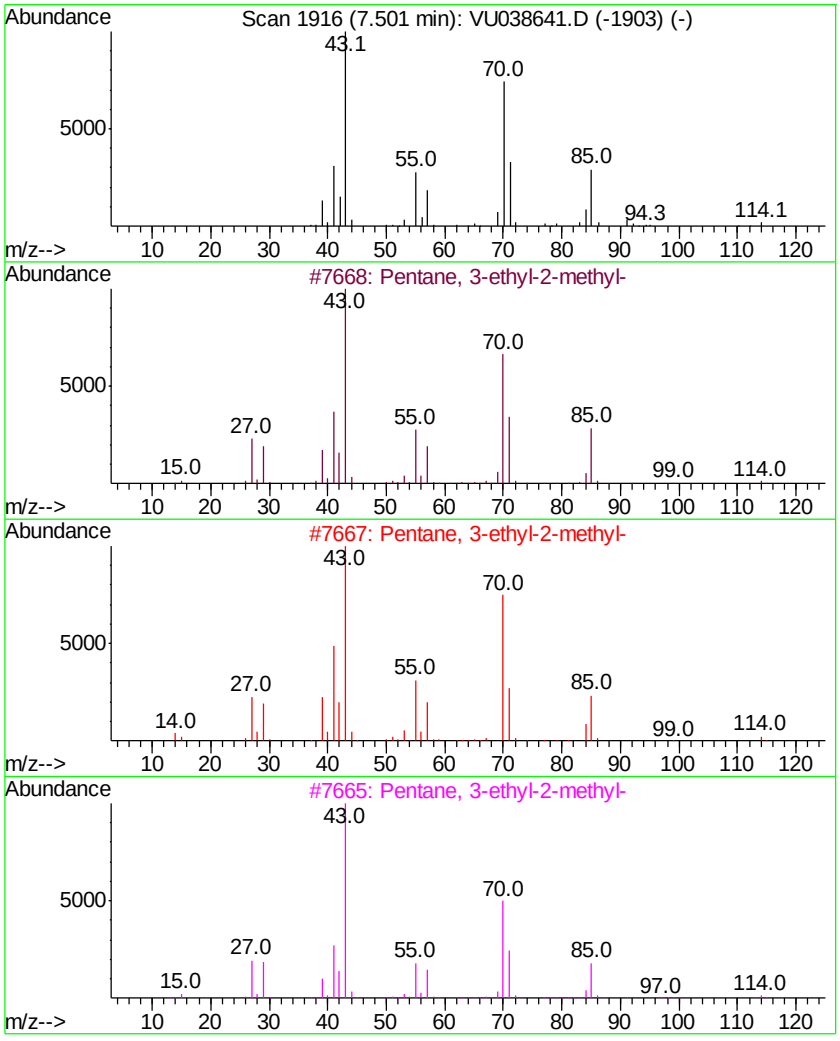
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

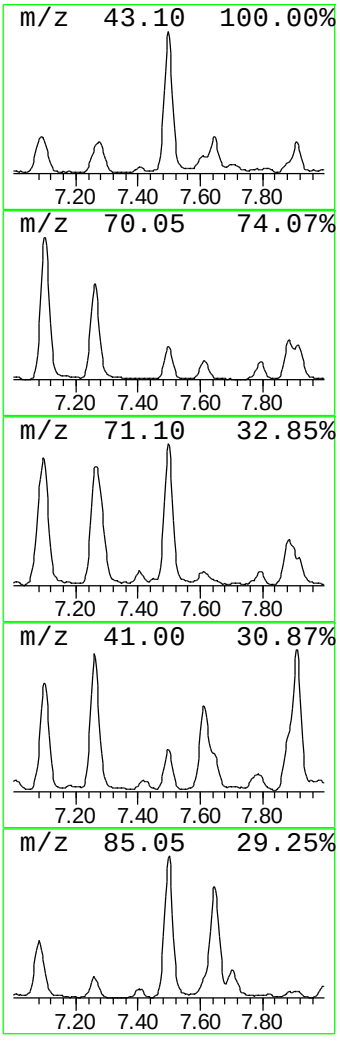
****

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	2.67 ug/L	389755	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	95
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	87
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	81
4	Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1	78
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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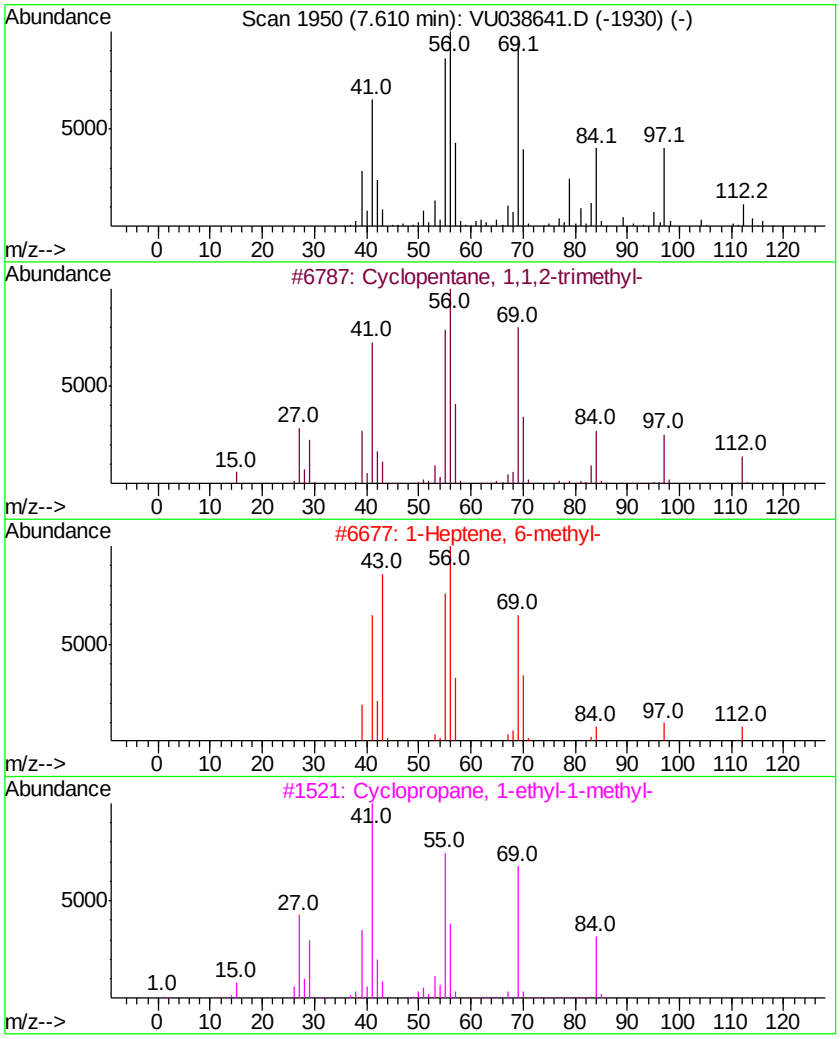
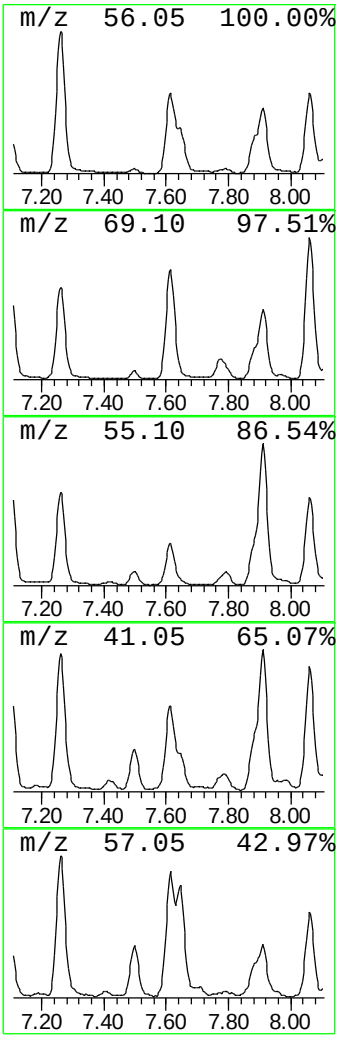
Peak Number 15 (DEL) Alkane: Cyclic7.61 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	8.07 ug/L	1179450	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,2-trimethyl-	112	C8H16	004259-00-1	76
2	1-Heptene, 6-methyl-	112	C8H16	005026-76-6	68
3	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	46
4	Pentane, 3-methylene-	84	C6H12	000760-21-4	45
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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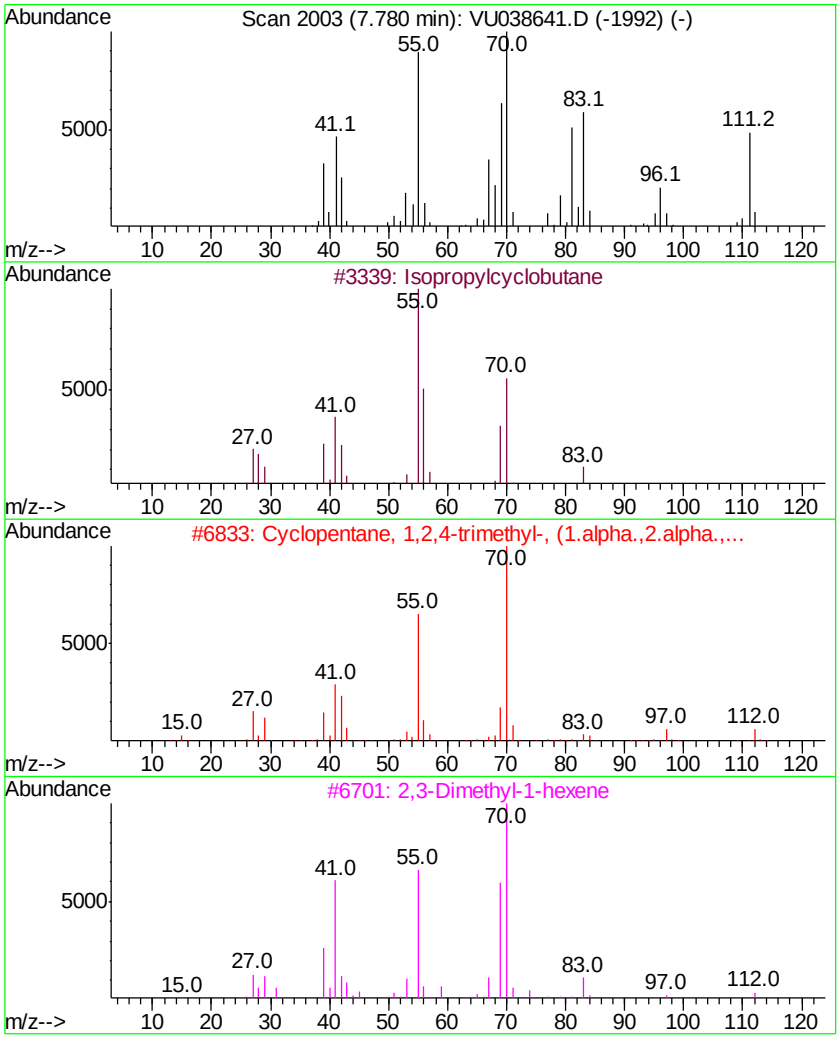
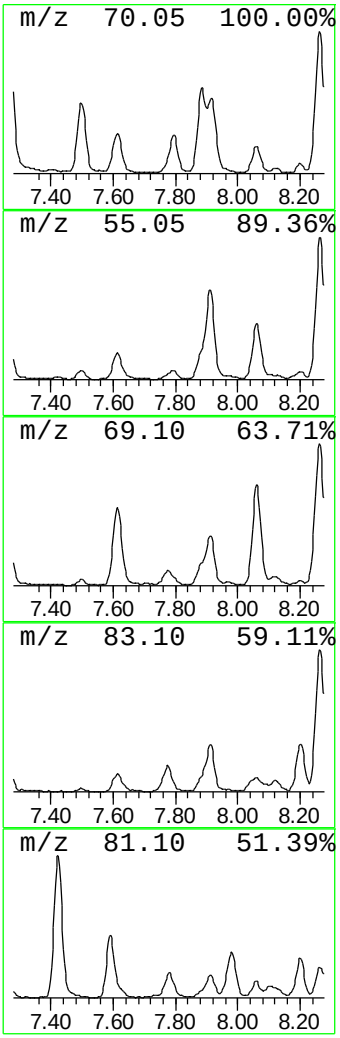
Peak Number 16 (DEL) Alkane: Cyclic7.18 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	1.76 ug/L	256823	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	50
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	49
3	2,3-Dimethyl-1-hexene	112	C8H16	016746-86-4	47
4	Heptane, 3-methylene-	112	C8H16	001632-16-2	46
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	43





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Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

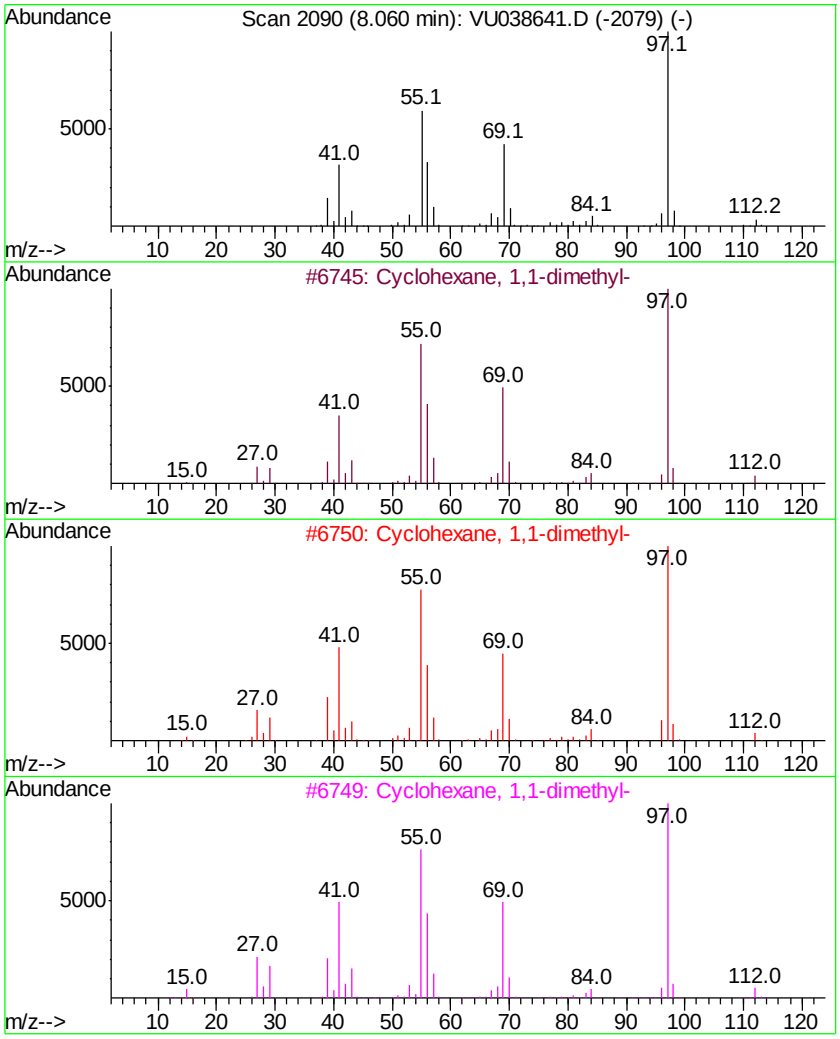
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

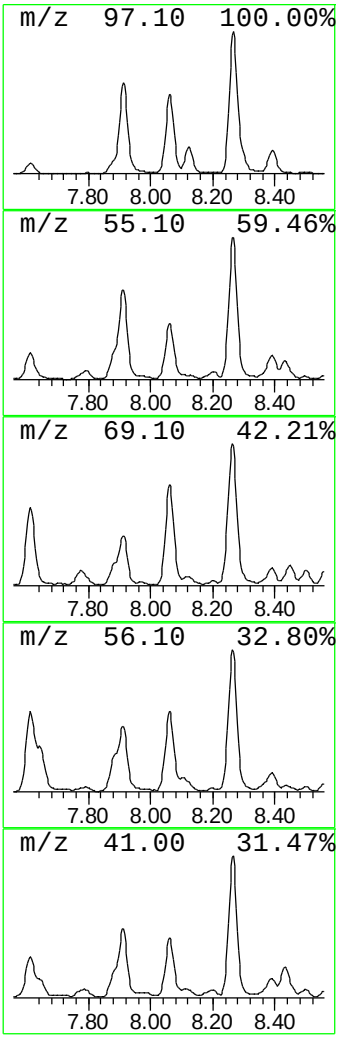
****

Peak Number 17 (DEL) Alkane: Cyclic8.06 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	6.46 ug/L	1130440	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	95
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	93
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	76
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

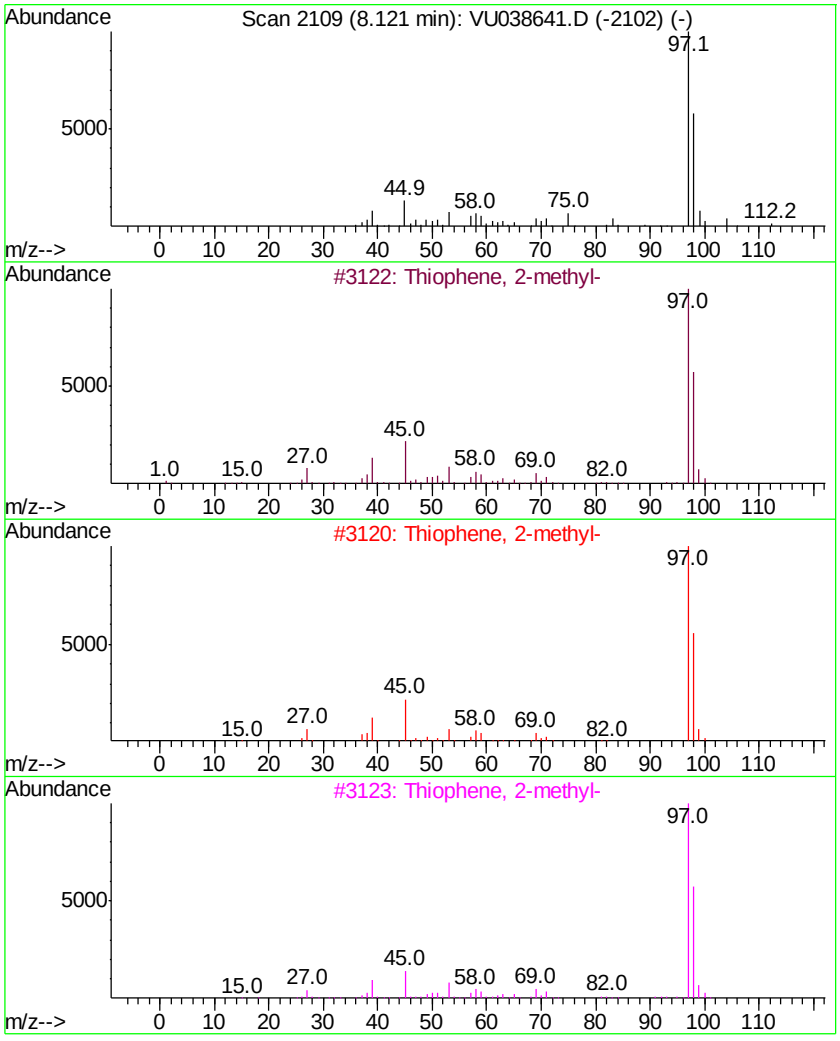
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

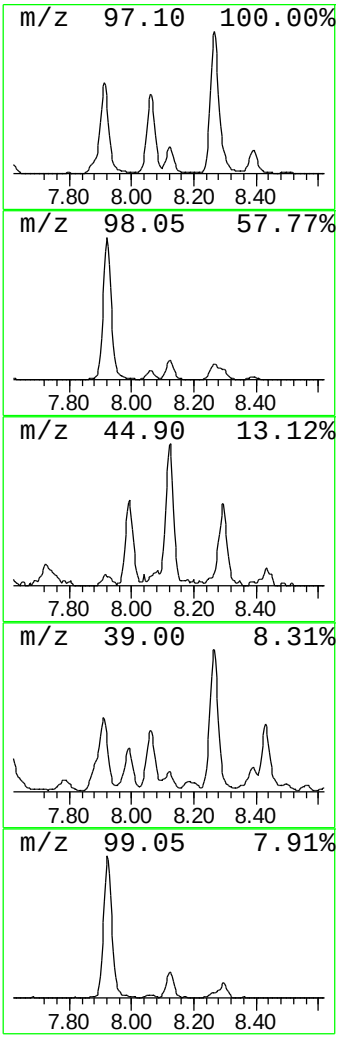
****

Peak Number 18 Thiophene, 2-methyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	1.80 ug/L	314659	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
2	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
3	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	90
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	90
5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	87





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Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

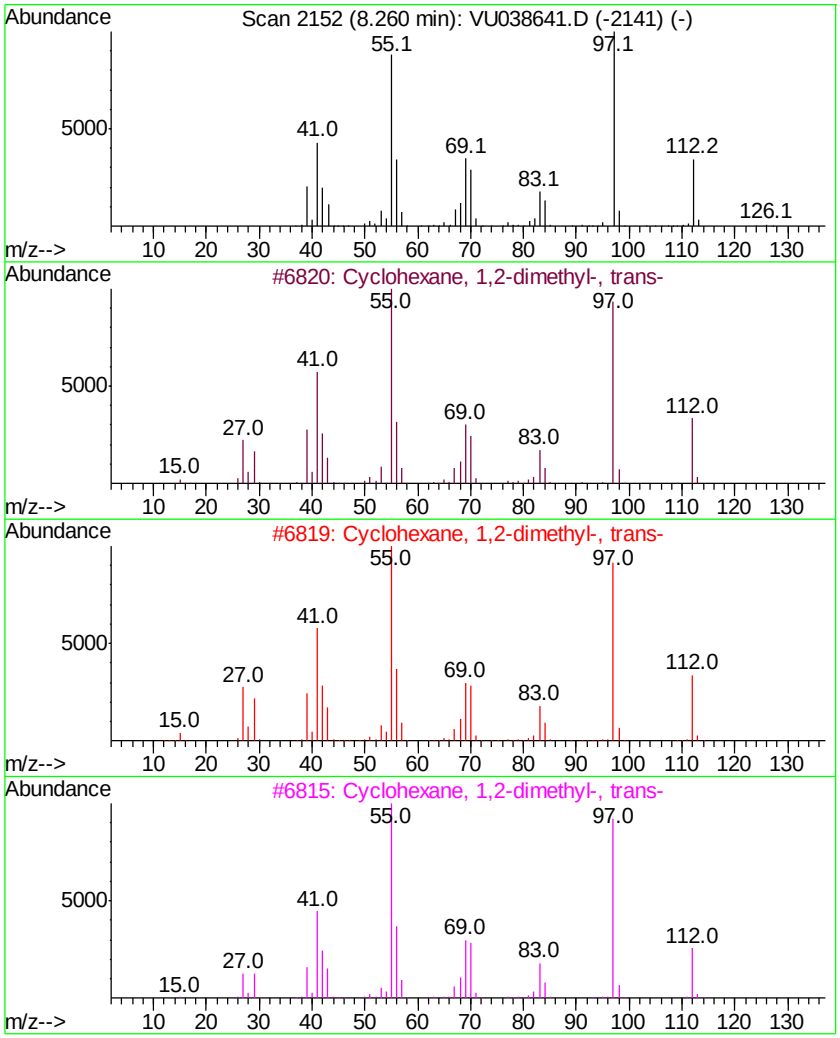
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

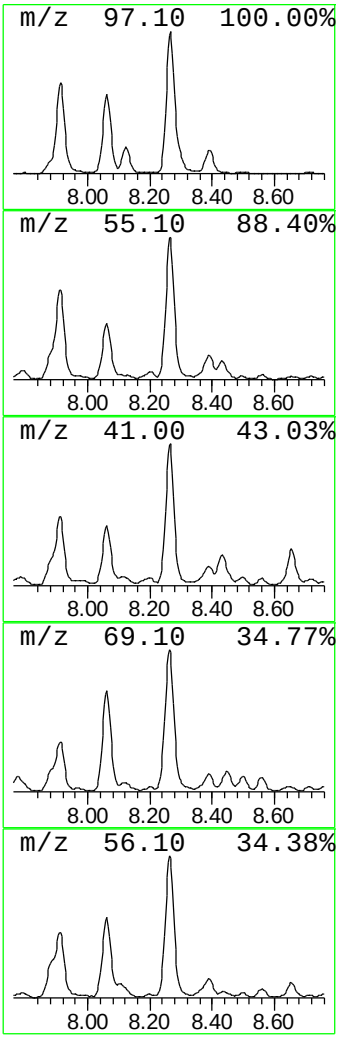
****

Peak Number 19 (DEL) Alkane: Cyclic8.26 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	15.84 ug/L	2770830	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

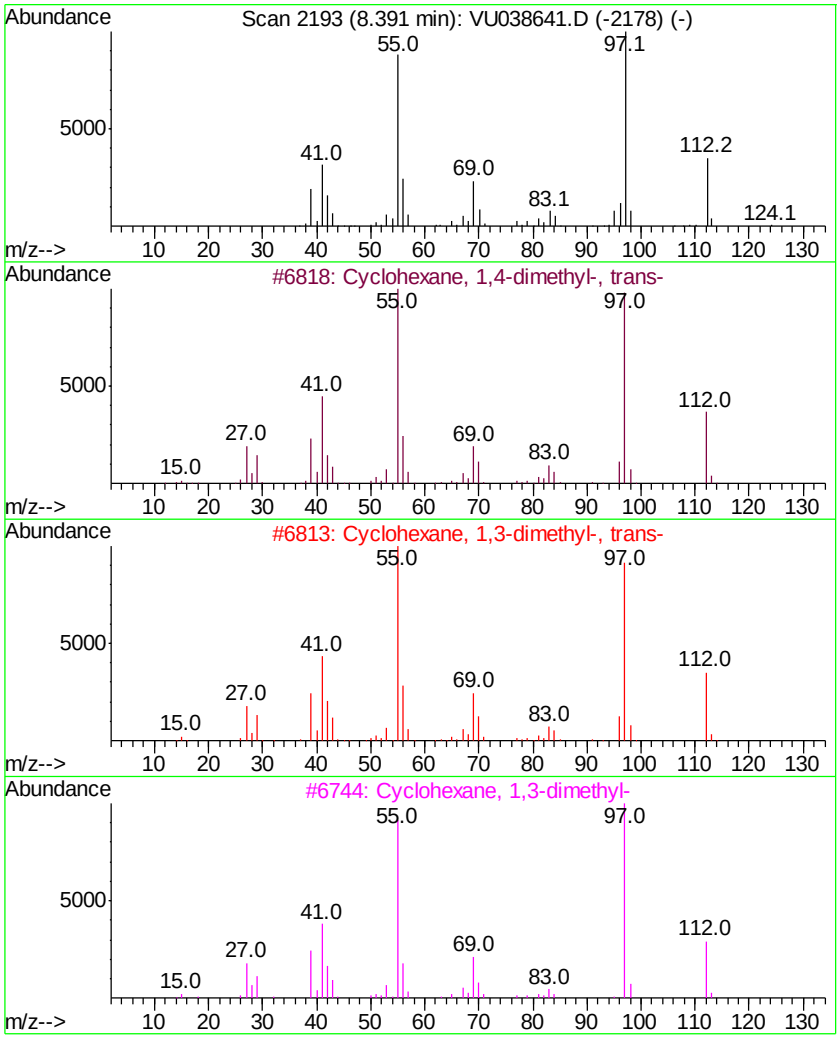
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

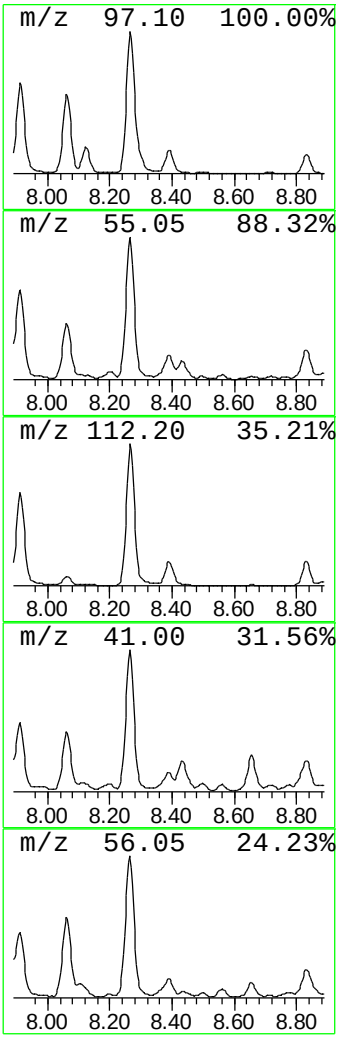
****

Peak Number 20 (DEL) Alkane: Cyclic8.39 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	1.99 ug/L	348727	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	96
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	93
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	93
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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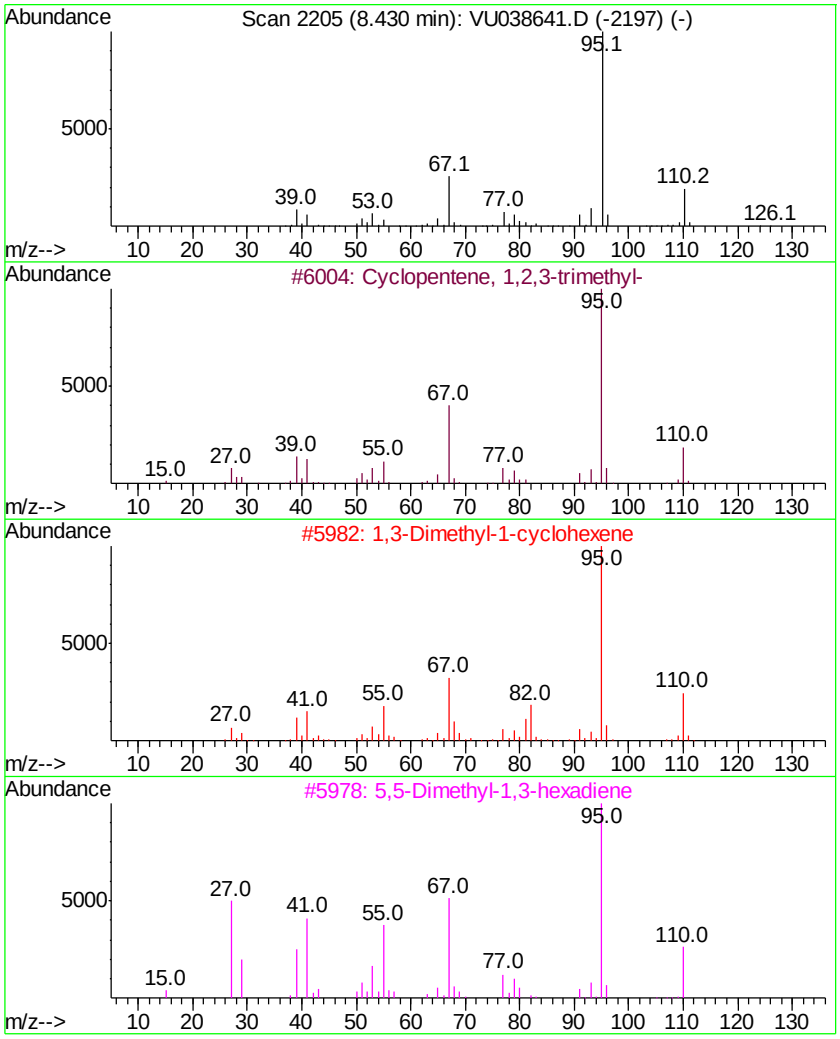
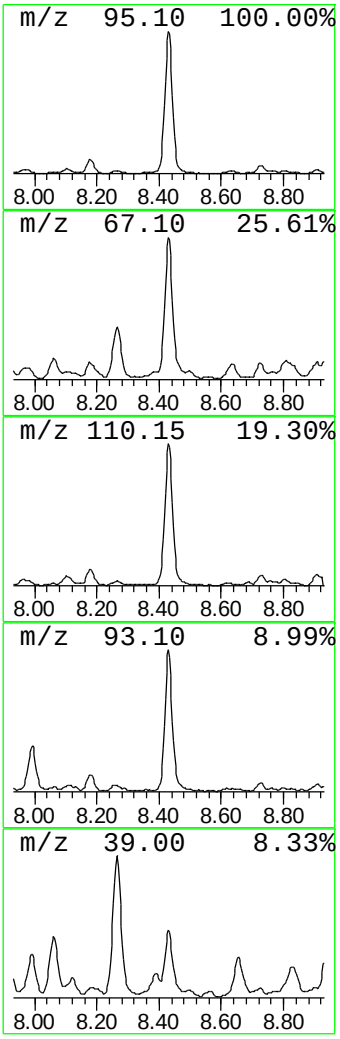
Peak Number 21 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	6.79 ug/L	1187310	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	91
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	90
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	83
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	83
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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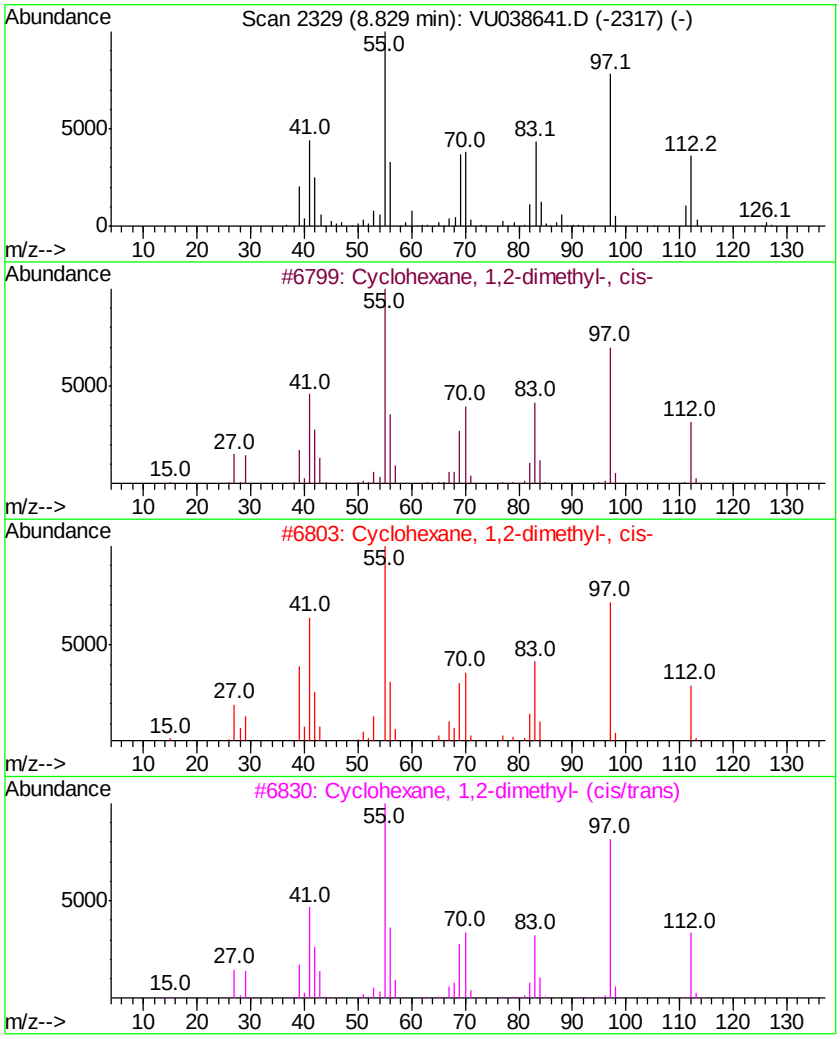
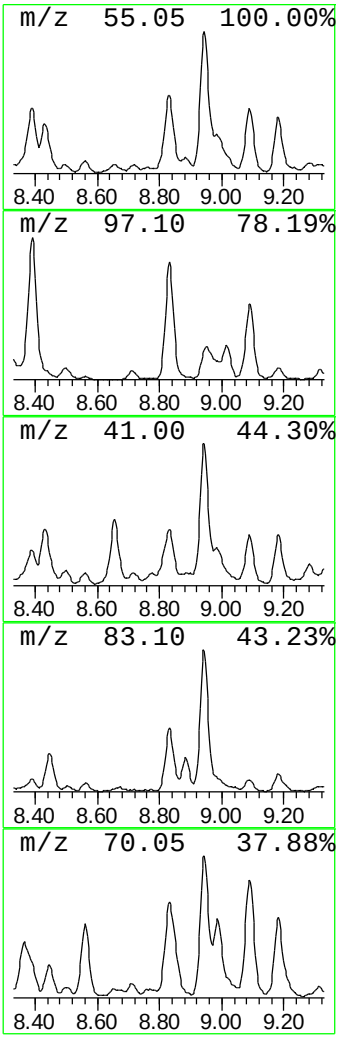
Peak Number 22 (DEL) Alkane: Cyclic8.83 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	3.33 ug/L	583189	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	97
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	91
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	81
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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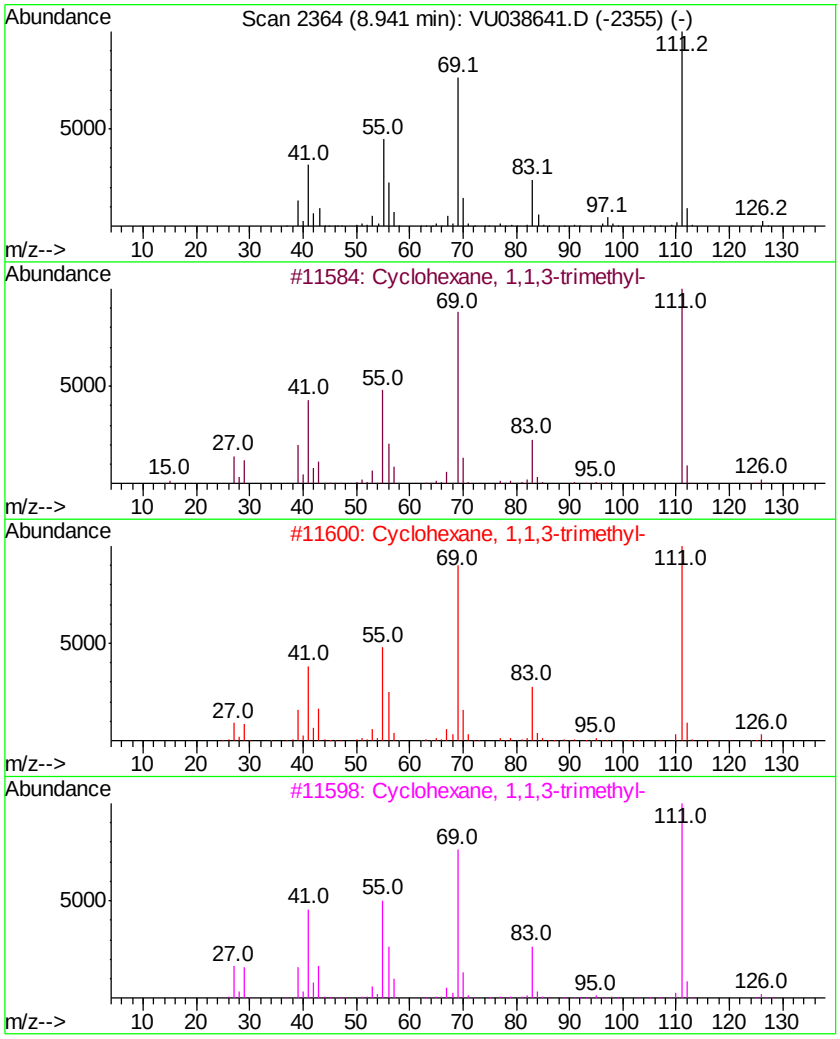
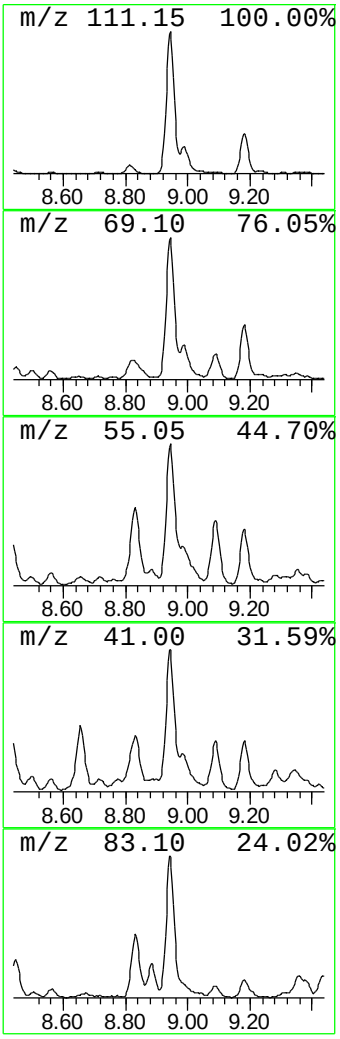
Peak Number 23 (DEL) Alkane: Cyclic8.94 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	7.89 ug/L	1379690	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
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	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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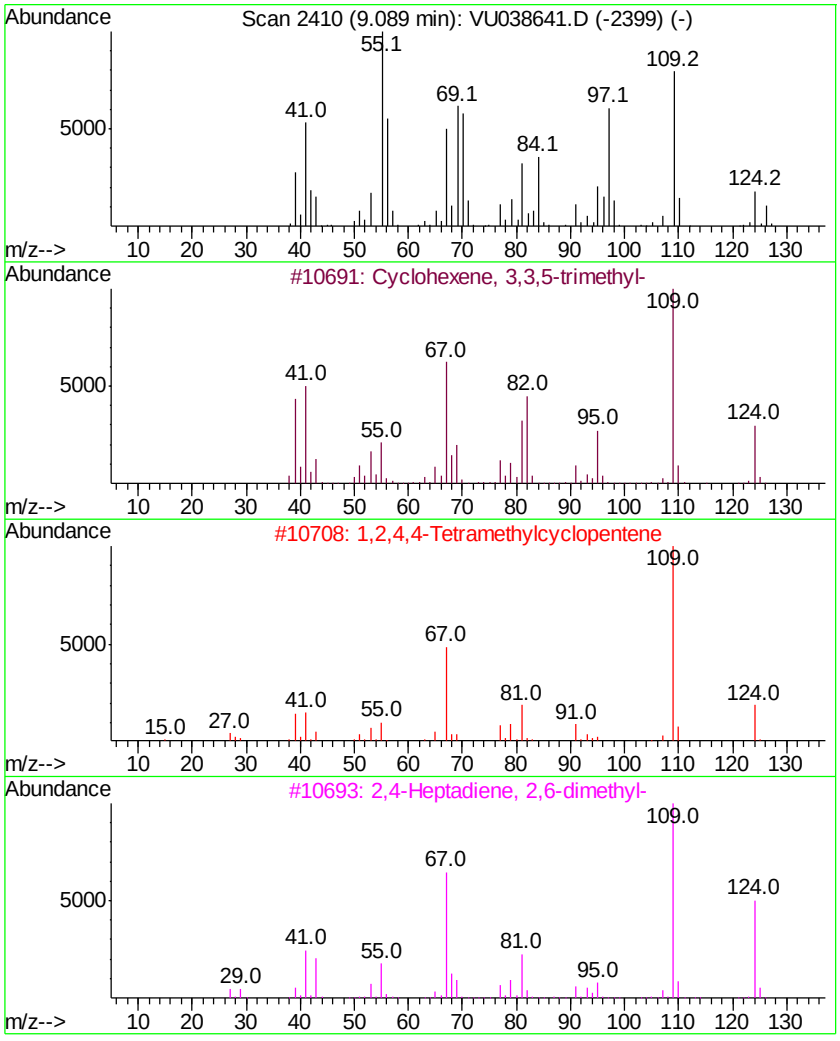
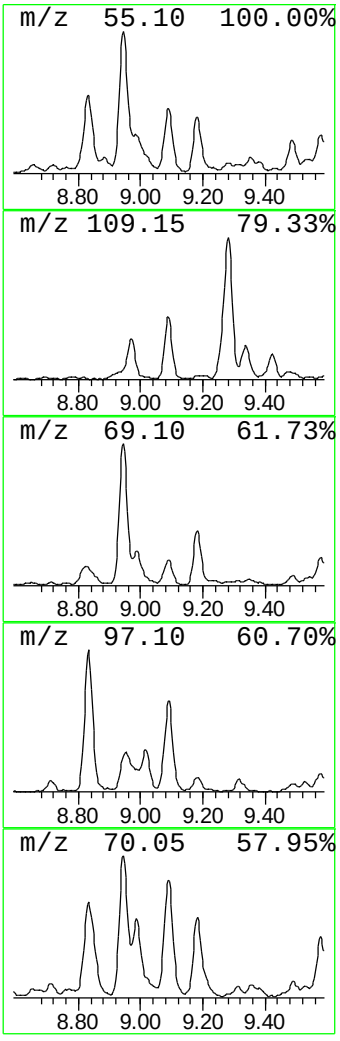
Peak Number 24 Cyclohexene, 3,3,5-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	3.95 ug/L	691053	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	50
2	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	46
3	2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	41
4	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	35
5	3-Heptyne, 2,2-dimethyl-	124	C9H16	029022-29-5	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

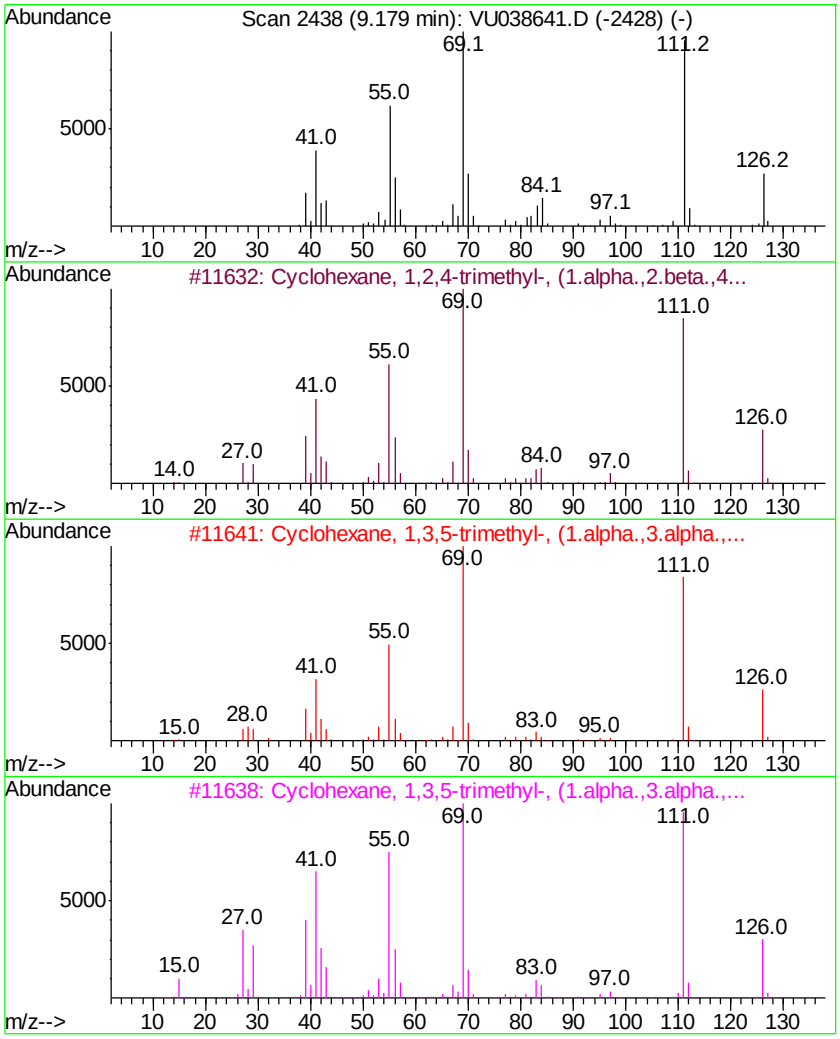
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

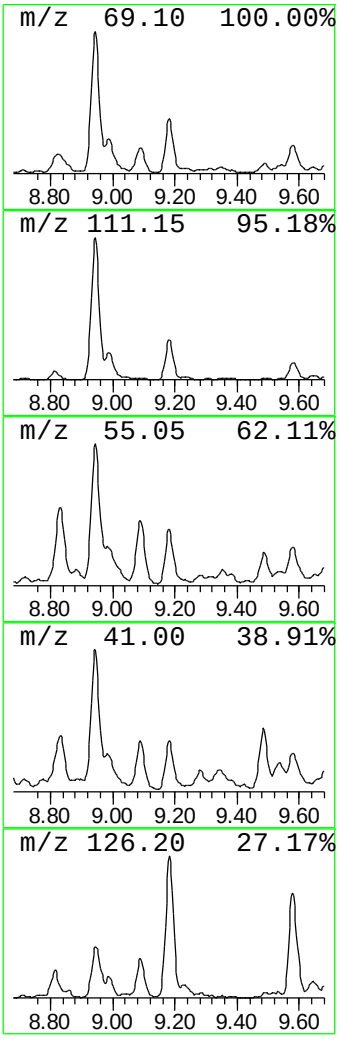
****

Peak Number 25 (DEL) Alkane: Cyclic9.18 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	3.36 ug/L	587124	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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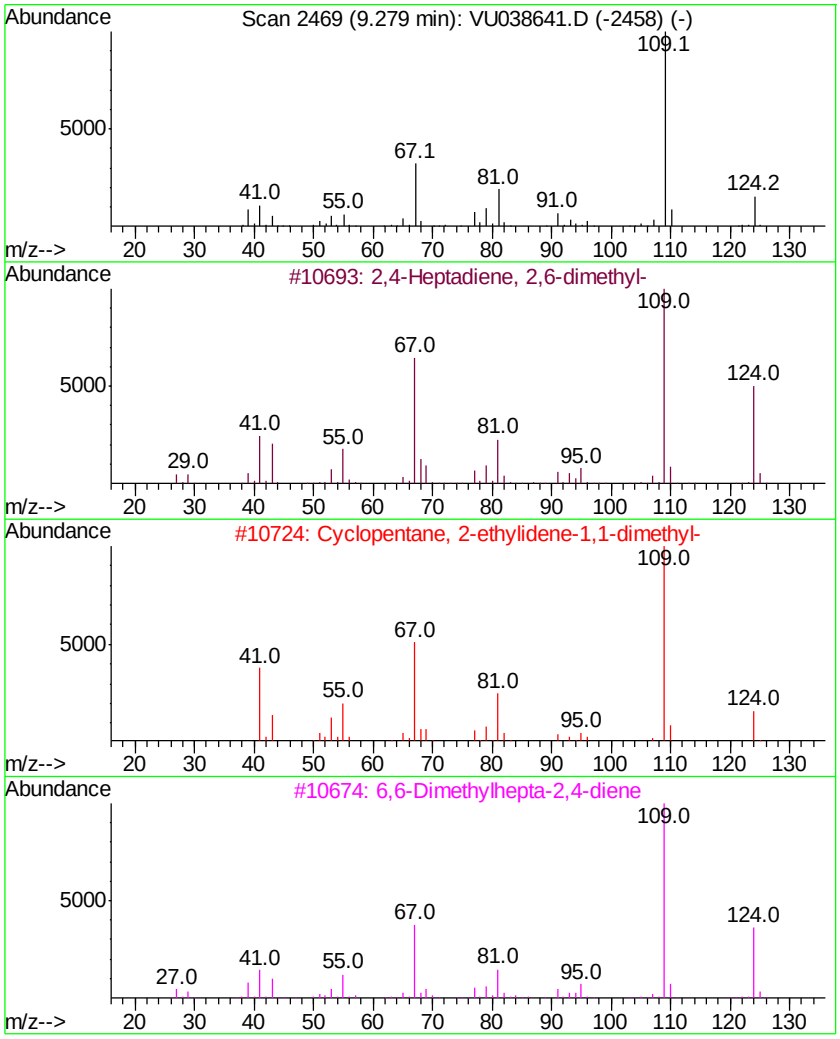
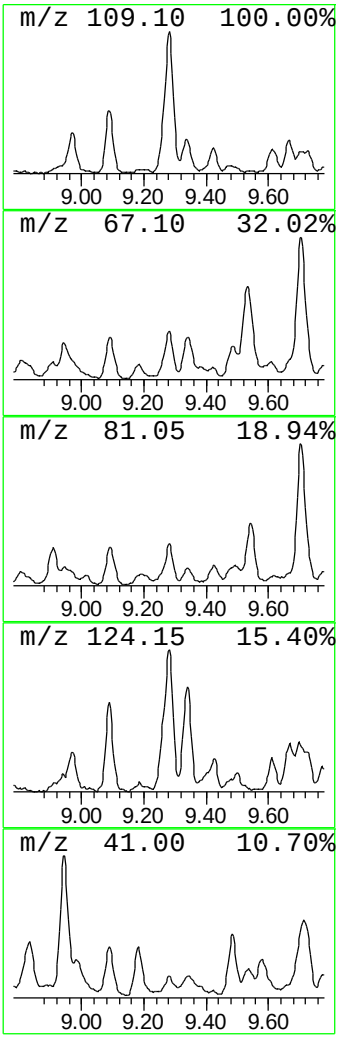
Peak Number 26 2,4-Heptadiene, 2,6-dimethyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	1.91 ug/L	333692	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	91
2	Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	90
3	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	90
4	1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	78
5	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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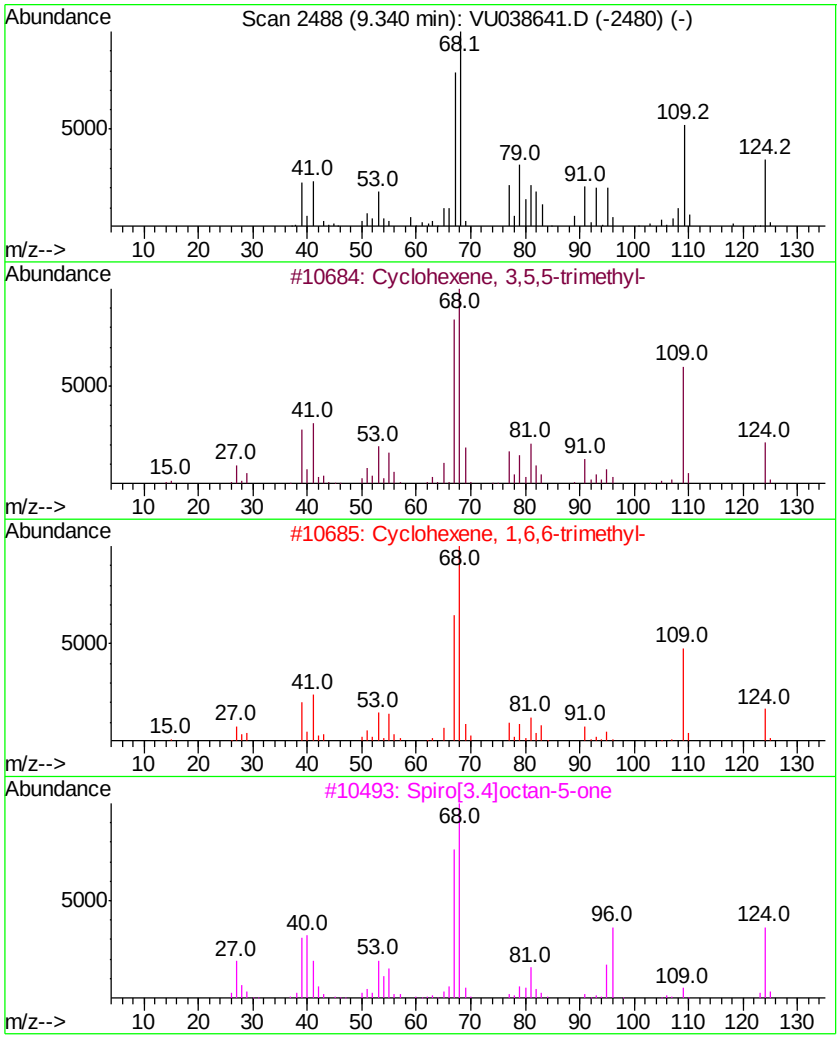
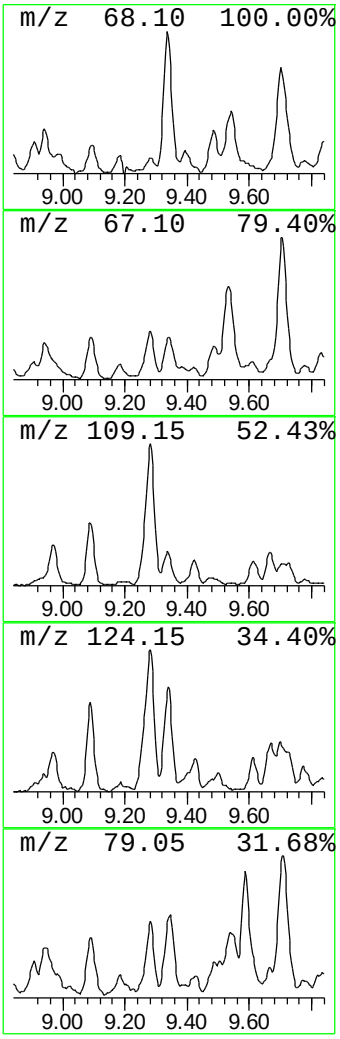
Peak Number 27 Cyclohexene, 3,5,5-trimethyl- Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	1.39 ug/L	242558	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3,5,5-trimethyl-	124	C9H16	000933-12-0	59
2	Cyclohexene, 1,6,6-trimethyl-	124	C9H16	069745-49-9	53
3	Spiro[3.4]octan-5-one	124	C8H12O	010468-36-7	52
4	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	35
5	1,3-Hexadiene, 2,3,5-trimethyl-	124	C9H16	061142-34-5	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

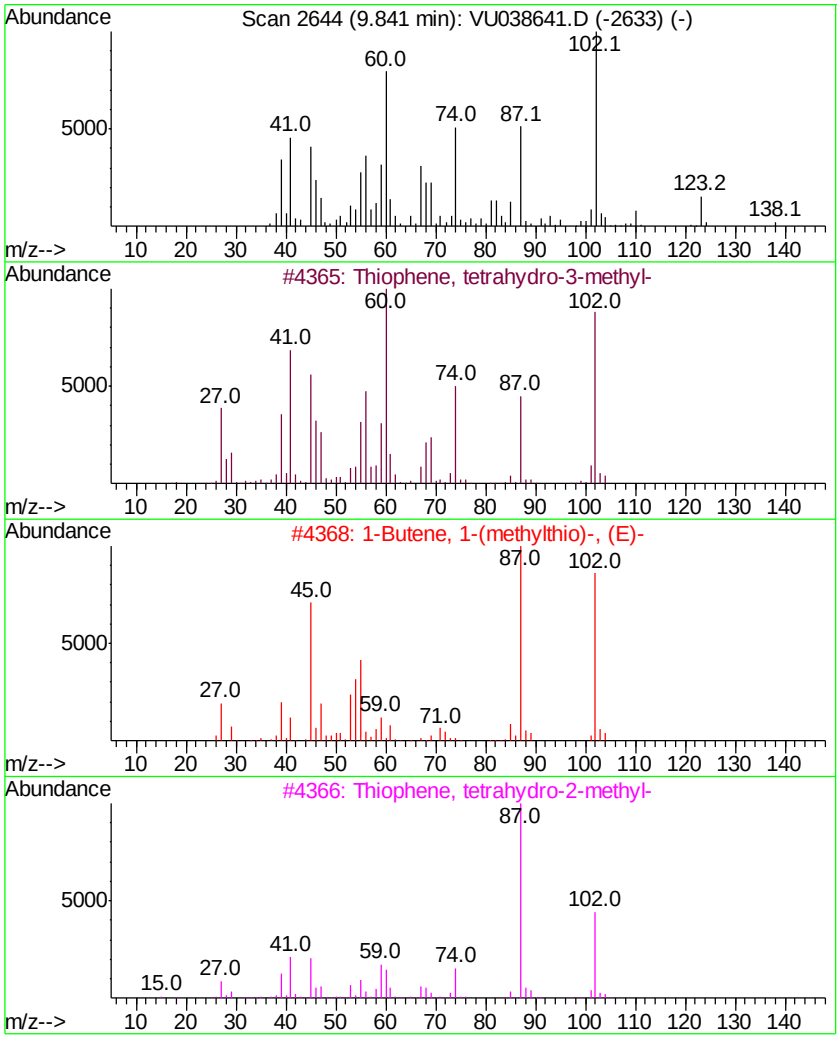
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

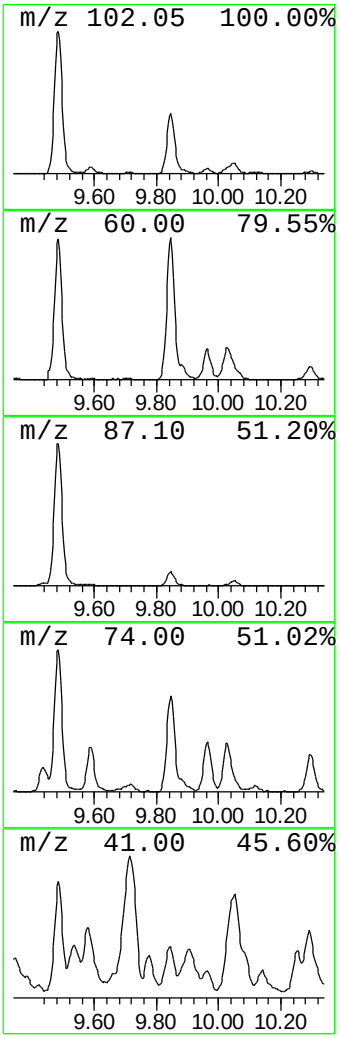
****

Peak Number 28 Thiophene, tetrahydro-3-met... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	2.07 ug/L	361558	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	96
2	1-Butene, 1-(methylthio)-, (E)-	102	C5H10S	017414-27-6	45
3	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	43
4	1-Butene, 1-(methylthio)-, (Z)-	102	C5H10S	017414-15-2	43
5	Thiirane, methyl-	74	C3H6S	001072-43-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

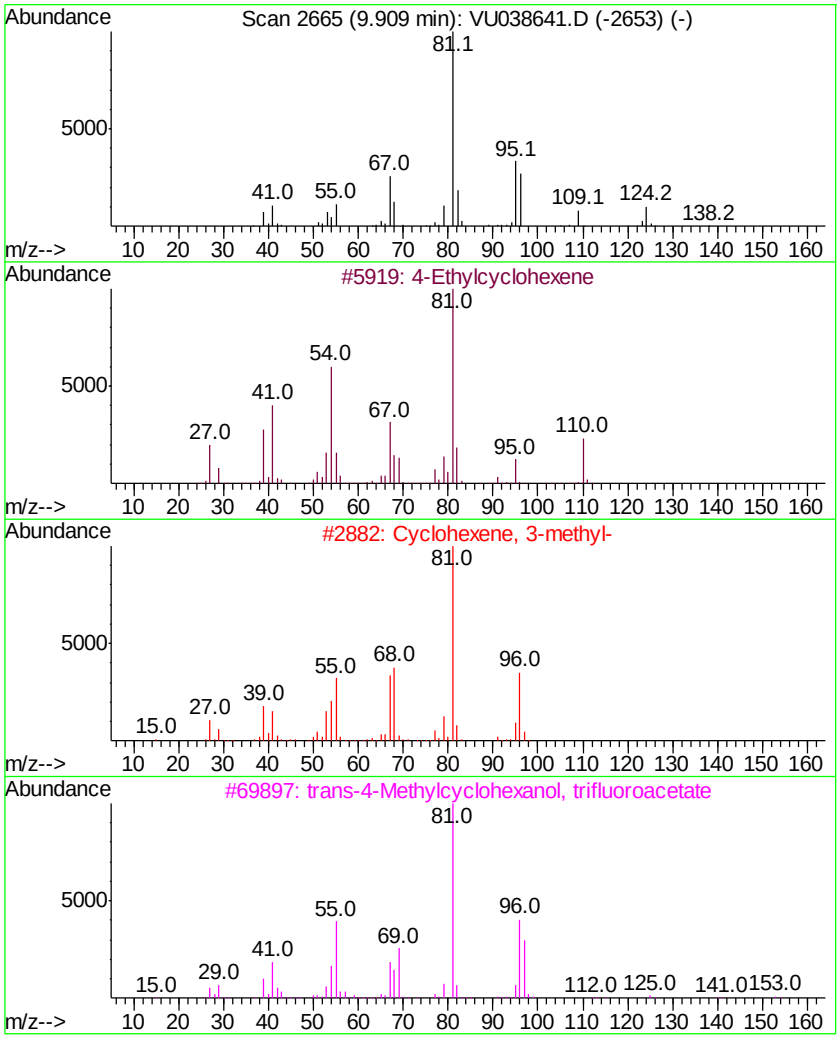
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

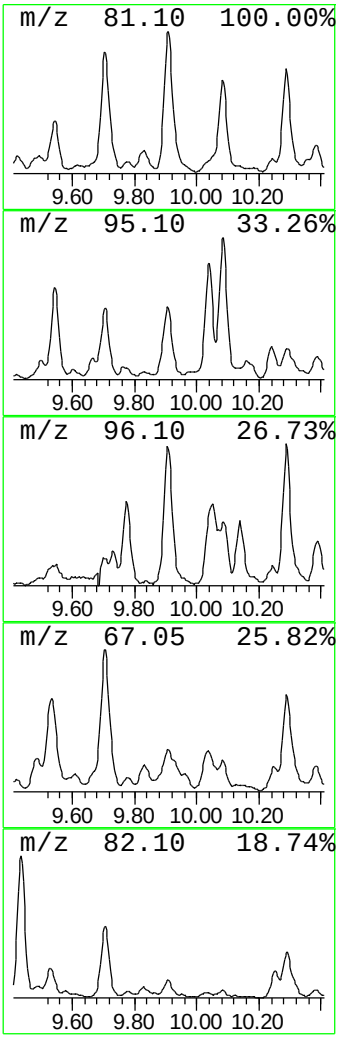
****

Peak Number 29 4-Ethylcyclohexene Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	2.26 ug/L	394659	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethylcyclohexene	110	C8H14	003742-42-5	59
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	53
3	trans-4-Methylcyclohexanol, trif...	210	C9H13F3O2	1000364-13-8	53
4	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	50
5	2-n-Butyl furan	124	C8H12O	004466-24-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

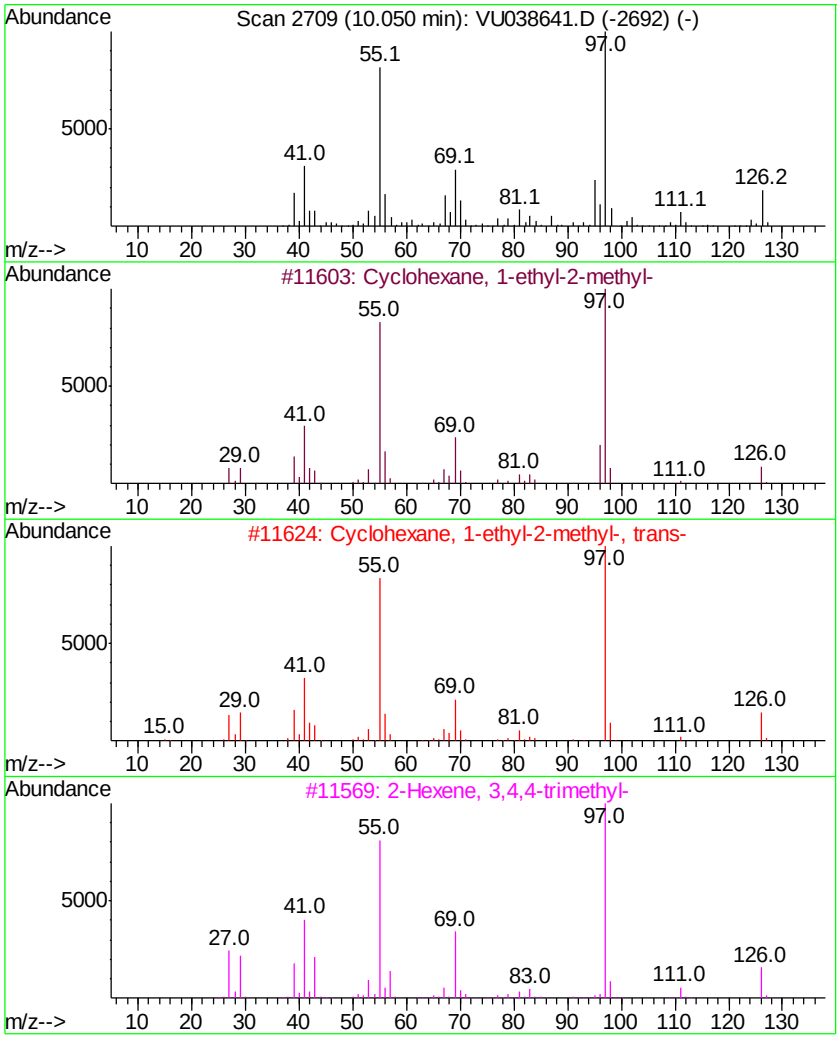
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

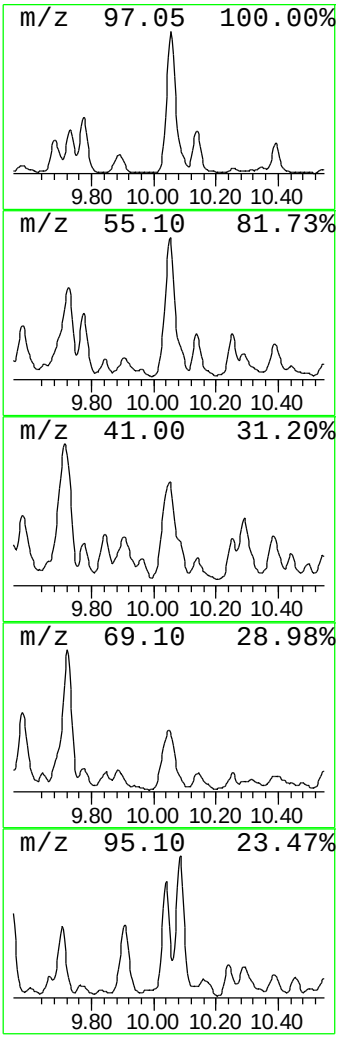
****

Peak Number 30 (DEL) Alkane: Cyclic10.05 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	8.05 ug/L	1407660	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	76
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	70
3	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	64
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

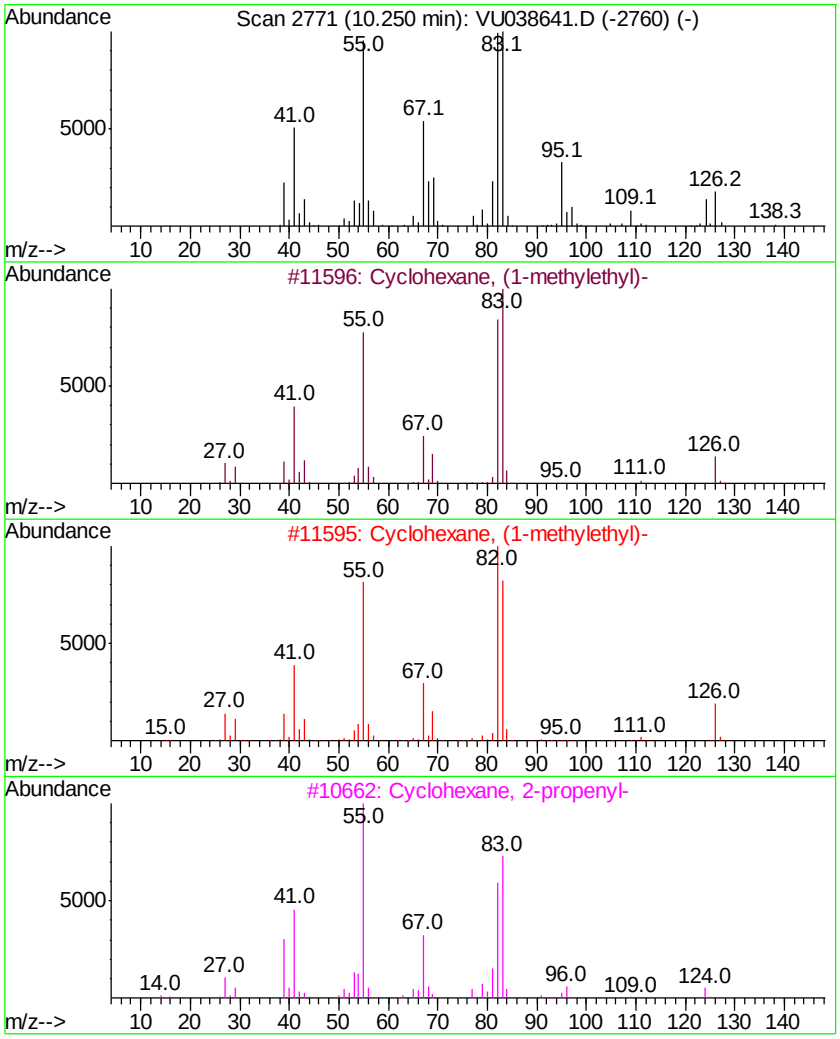
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

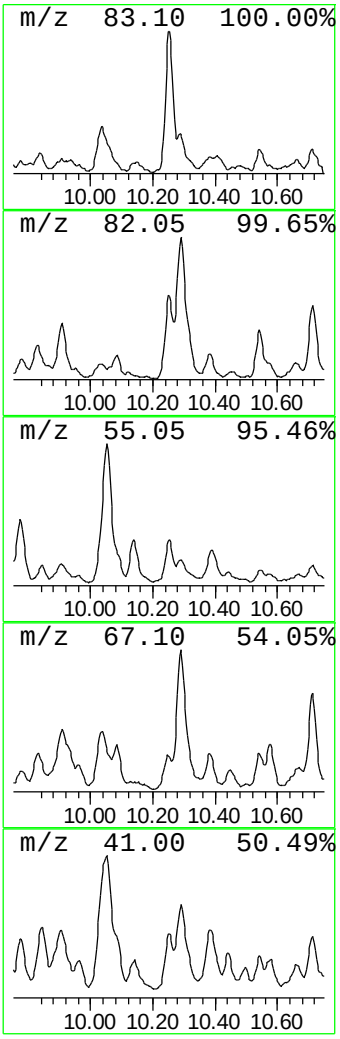
****

Peak Number 31 (DEL) Alkane: Cyclic10.25 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	1.42 ug/L	248037	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	70
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	70
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	62
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	62
5	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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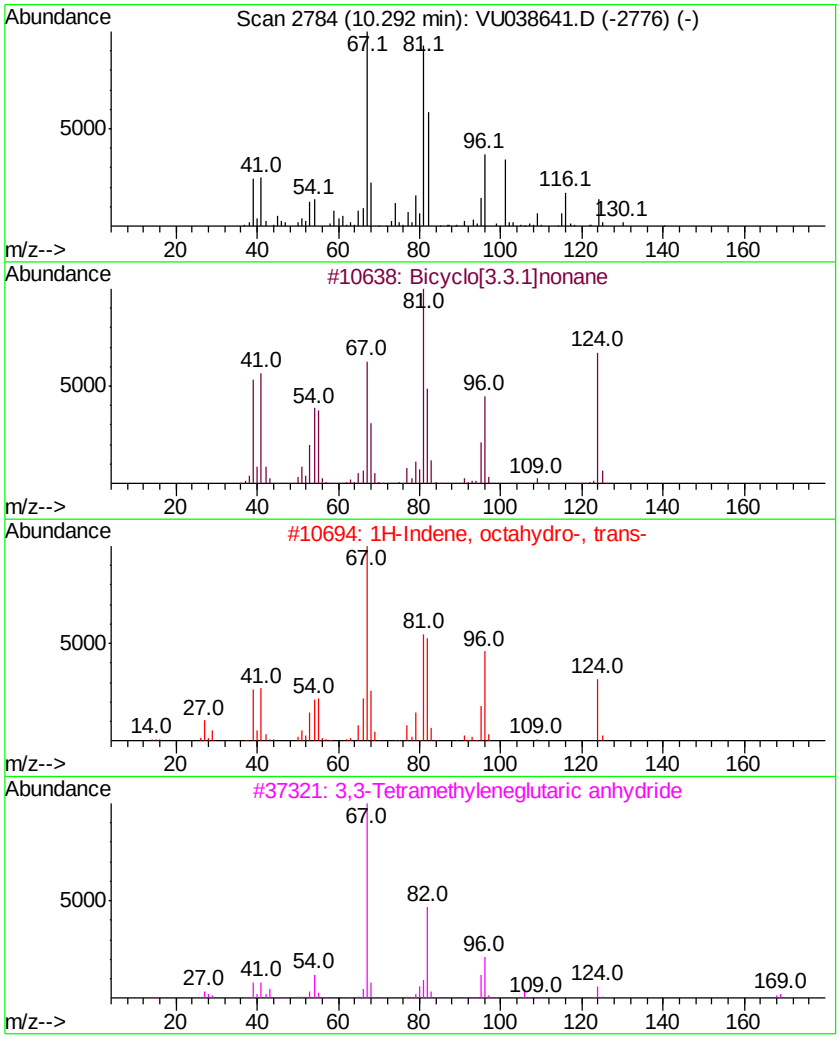
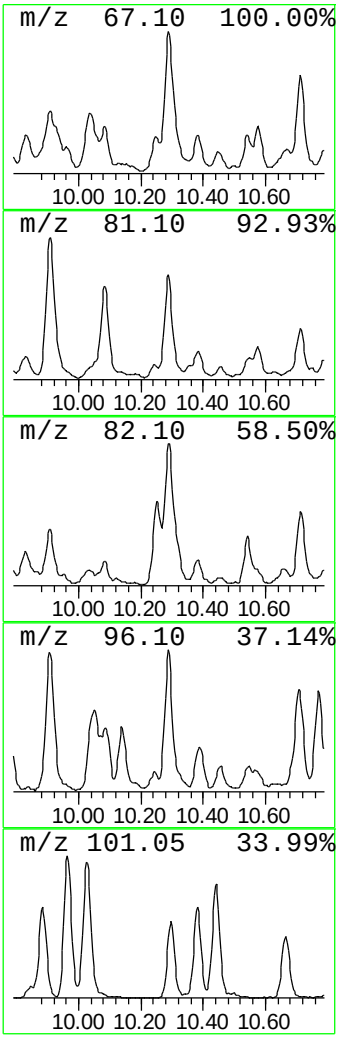
Peak Number 32 Bicyclo[3.3.1]nonane Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	3.02 ug/L	527727	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	58
2	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	53
3	3,3-Tetramethyleneglutaric anhyd...	168	C9H12O3	005662-95-3	47
4	Cyclopentene, 1-butyl-	124	C9H16	002423-01-0	45
5	Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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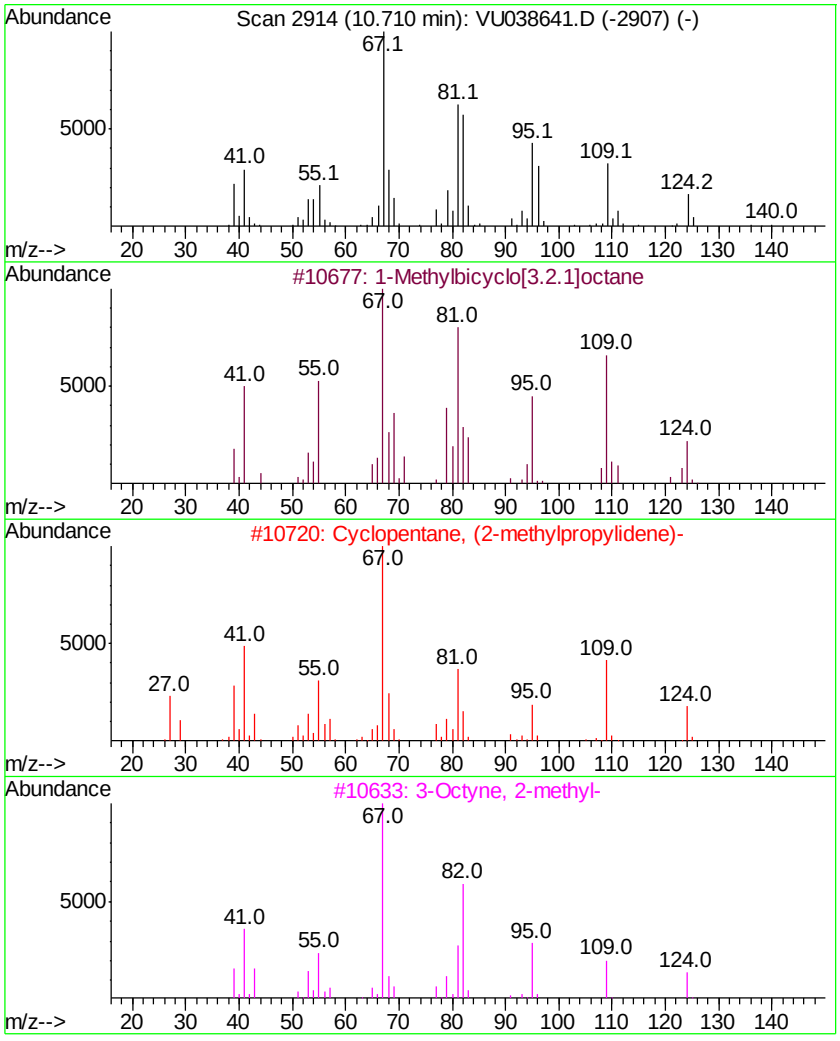
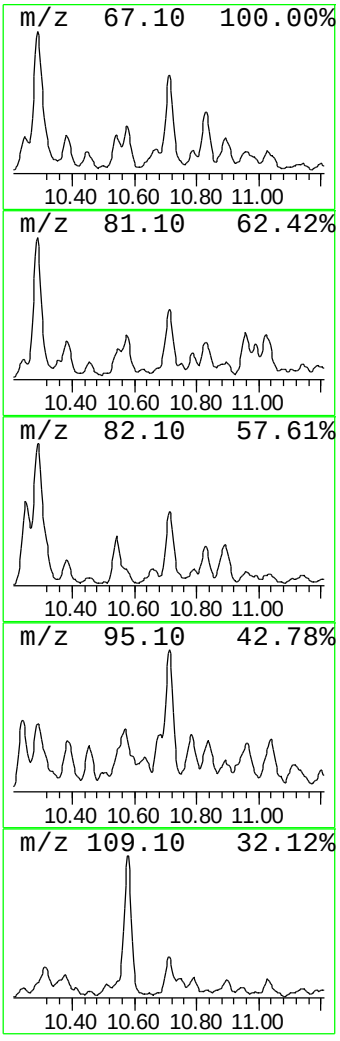
Peak Number 33 1-Methylbicyclo[3.2.1]octane Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	0.99 ug/L	235812	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	58
2	Cyclopentane, (2-methylpropylide...	124	C9H16	053366-58-8	53
3	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	53
4	3,3-Tetramethyleneglutaric anhyd...	168	C9H12O3	005662-95-3	50
5	trans-1-Butenylcyclopentane	124	C9H16	1000113-50-9	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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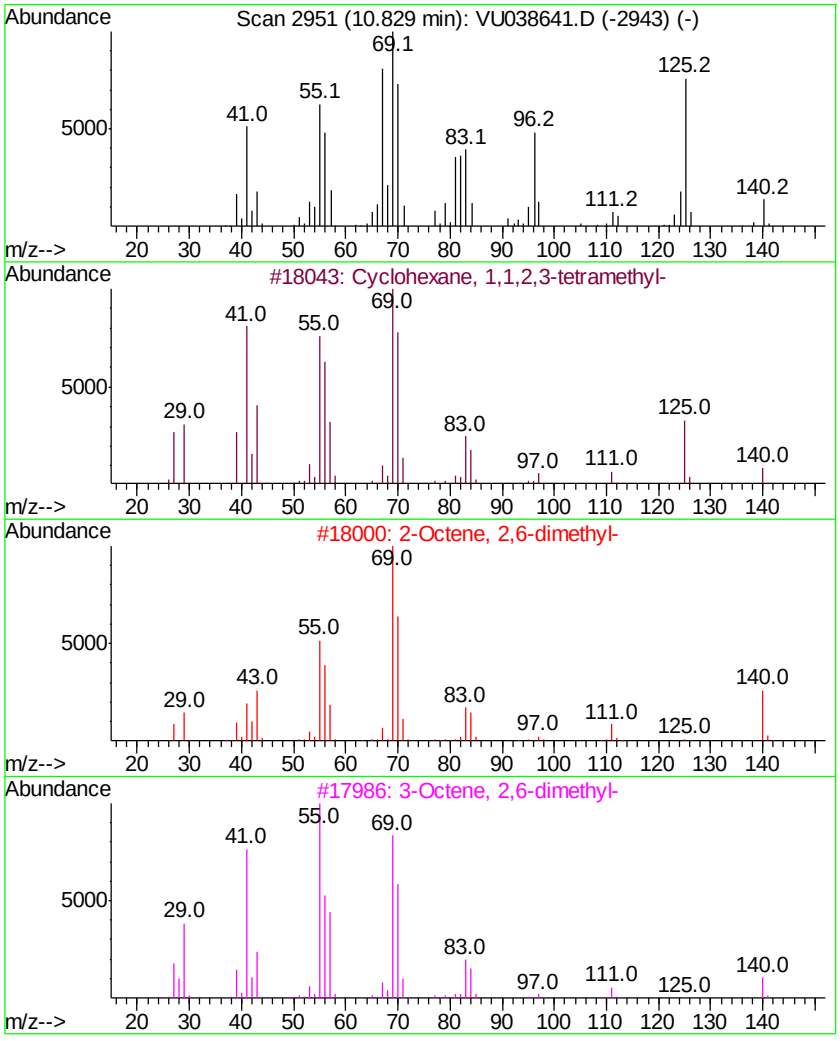
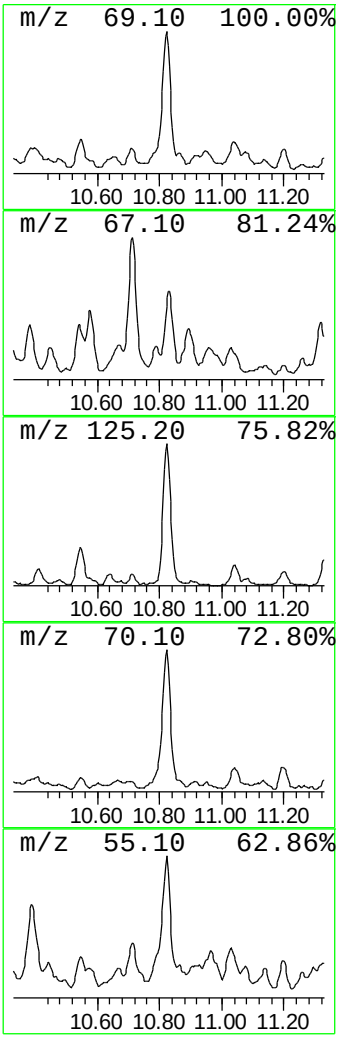
Peak Number 34 (DEL) Alkane: Cyclic10.83 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	1.61 ug/L	385034	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	60
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
3	3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	49
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
5	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

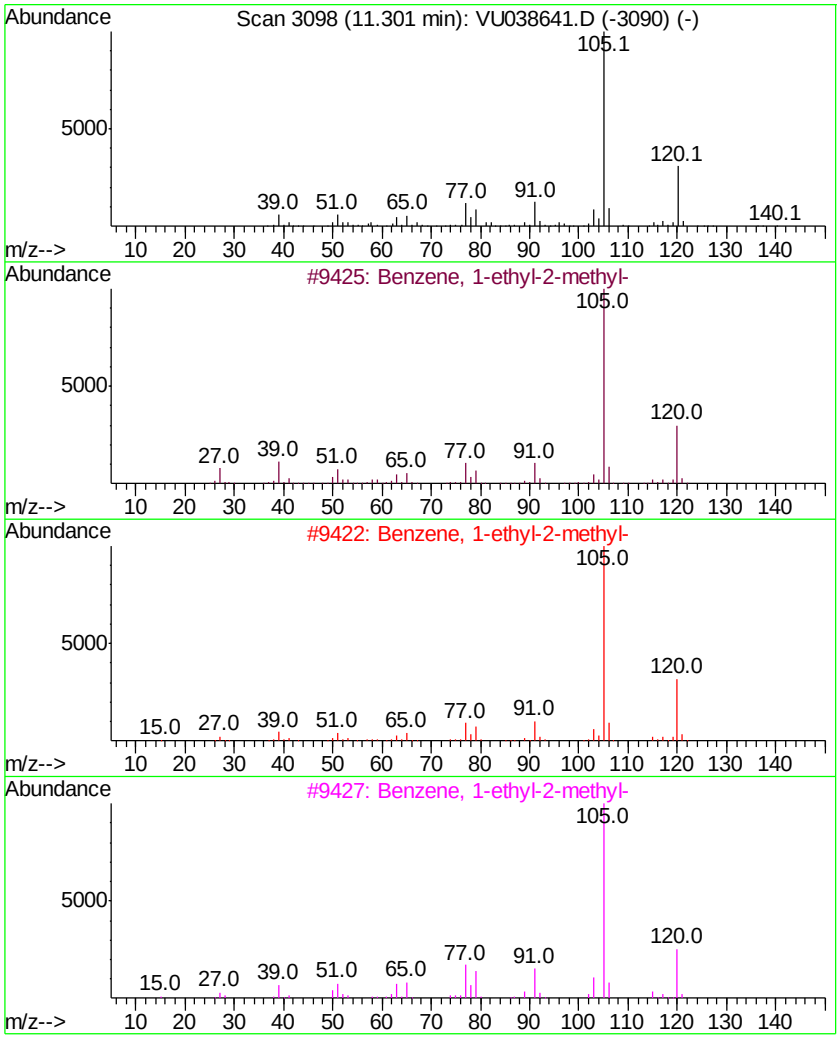
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

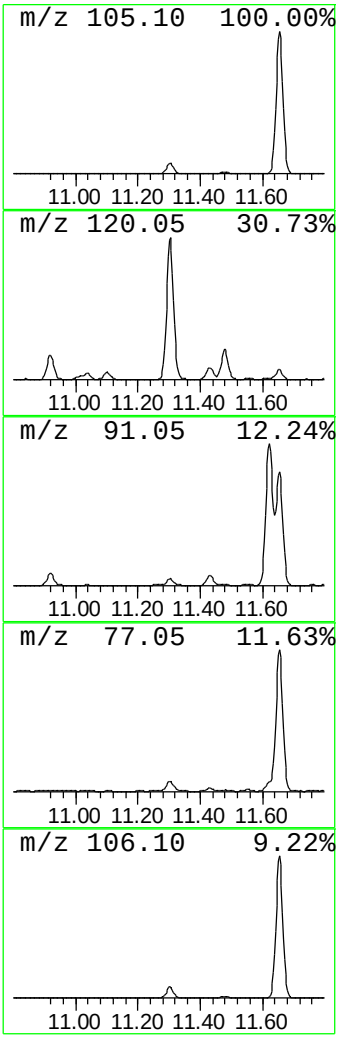
****

Peak Number 35 Benzene, 1-ethyl-2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	3.99 ug/L	952343	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

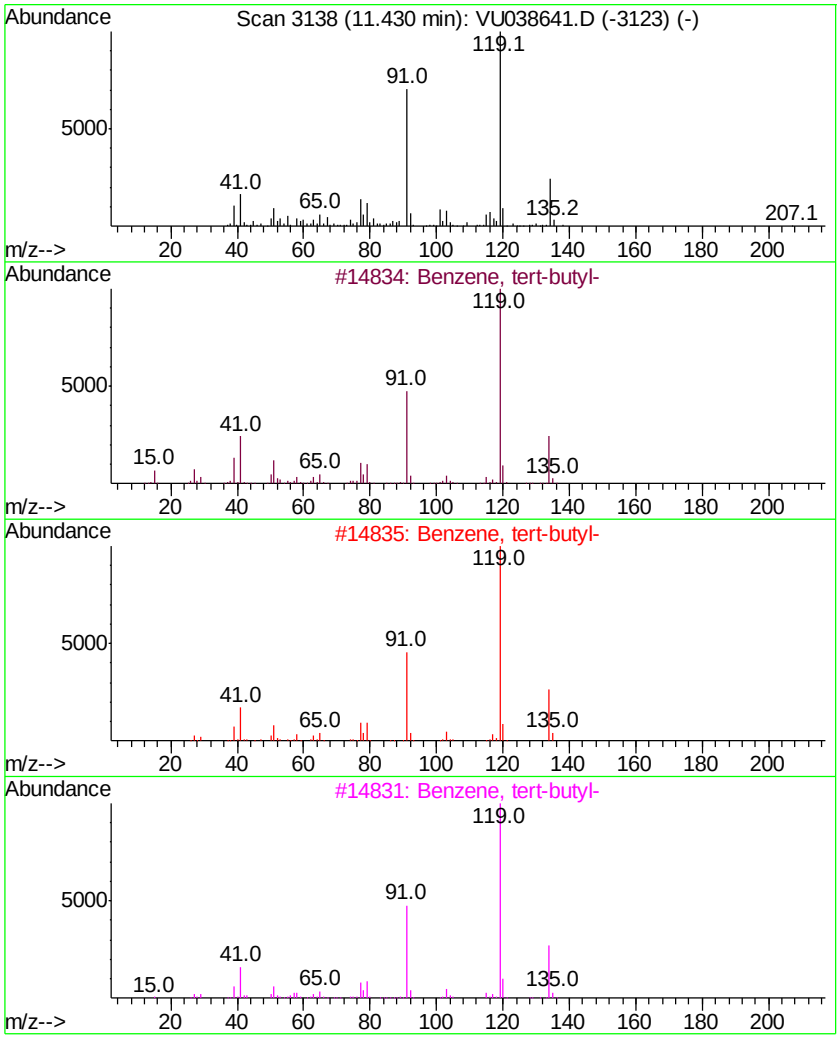
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

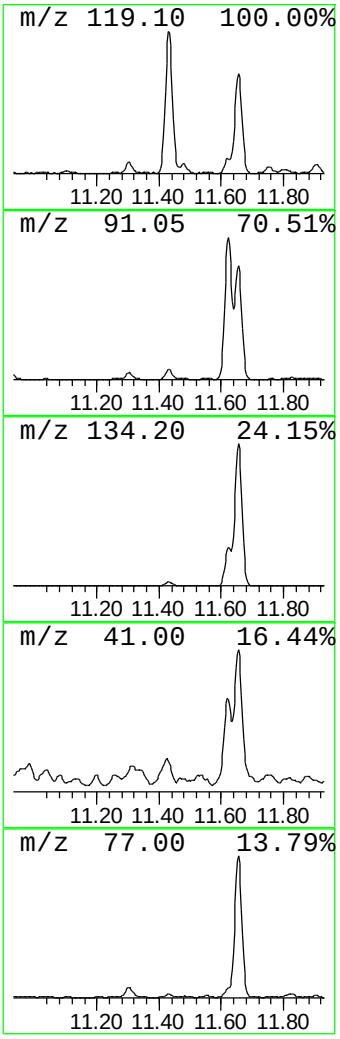
****

Peak Number 36 Benzene, tert-butyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	1.55 ug/L	369703	1,4-Dichlorobenzene-d4	11.82

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	87
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	87
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	80
5	o-Cymene	134	C10H14	000527-84-4	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

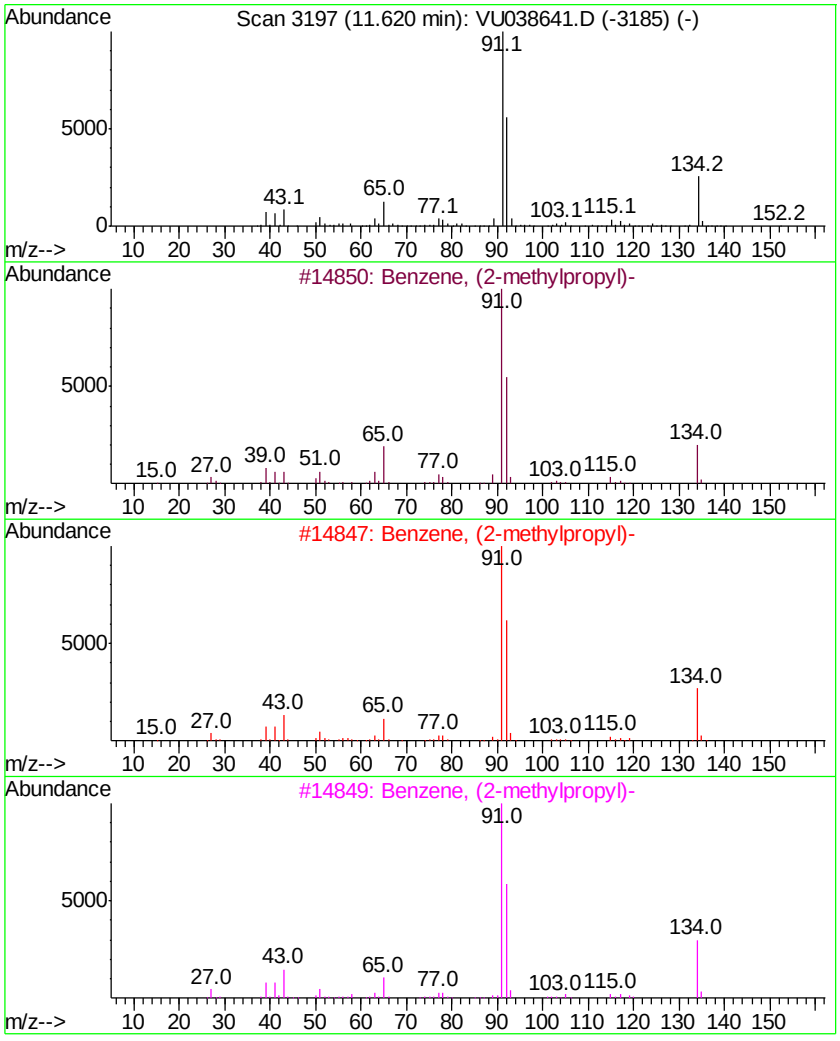
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

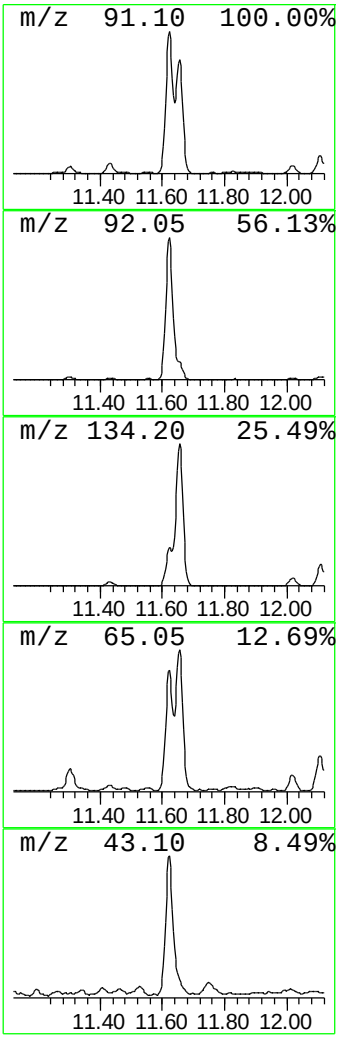
****

Peak Number 37 Benzene, (2-methylpropyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	6.31 ug/L	1504270	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	94
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
4	Benzene, butyl-	134	C10H14	000104-51-8	86
5	Benzene, butyl-	134	C10H14	000104-51-8	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

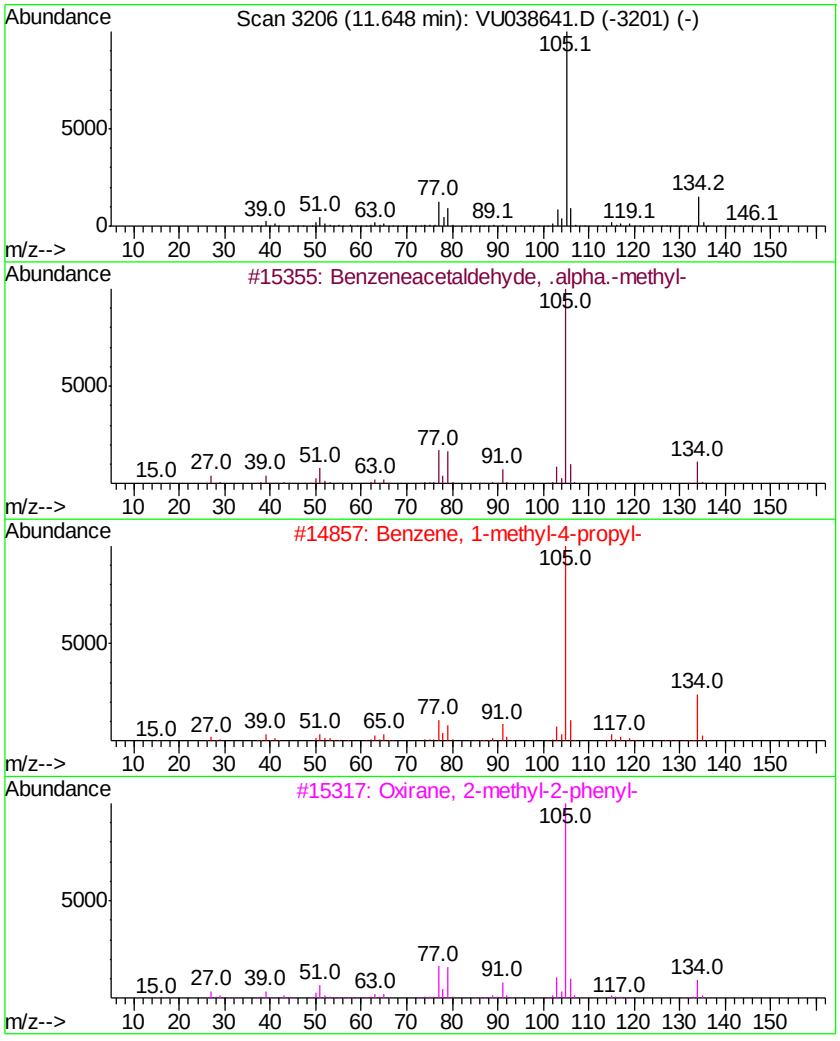
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

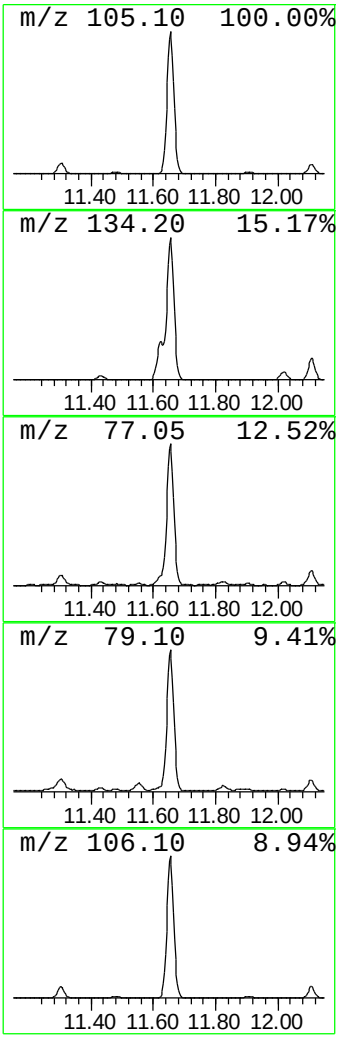
****

Peak Number 38 Benzeneacetaldehyde, .alpha... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	30.28 ug/L	7222860	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
3	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	87
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

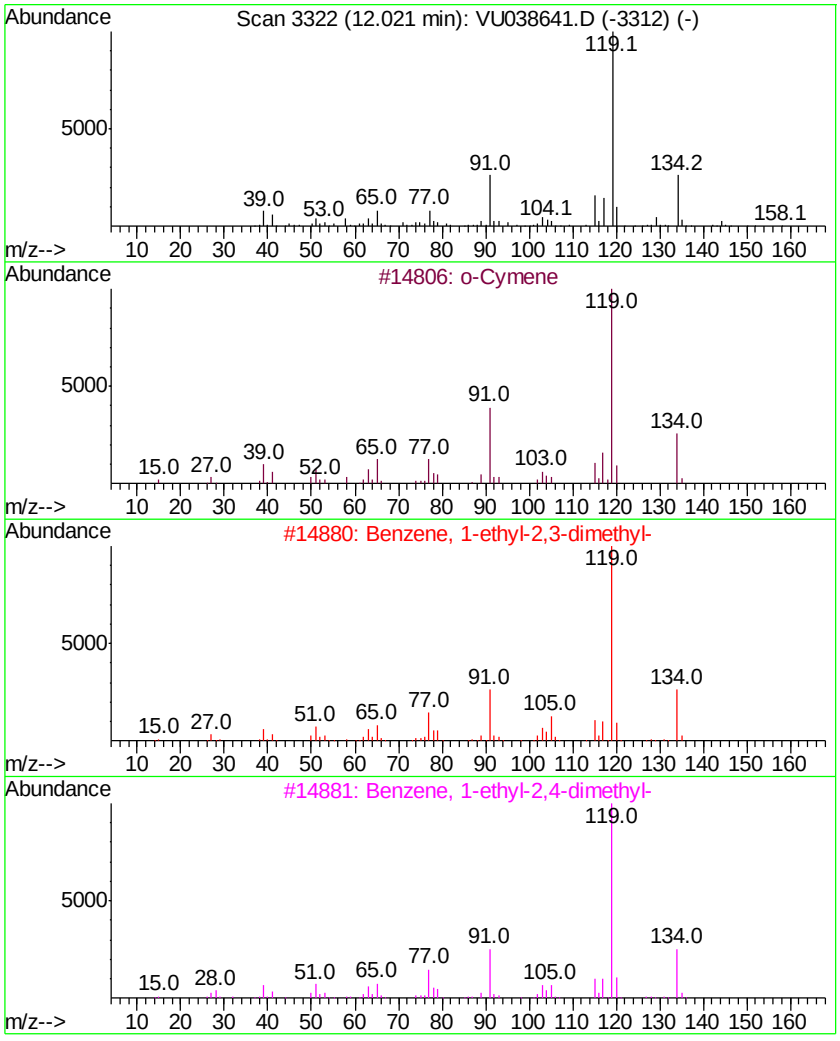
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

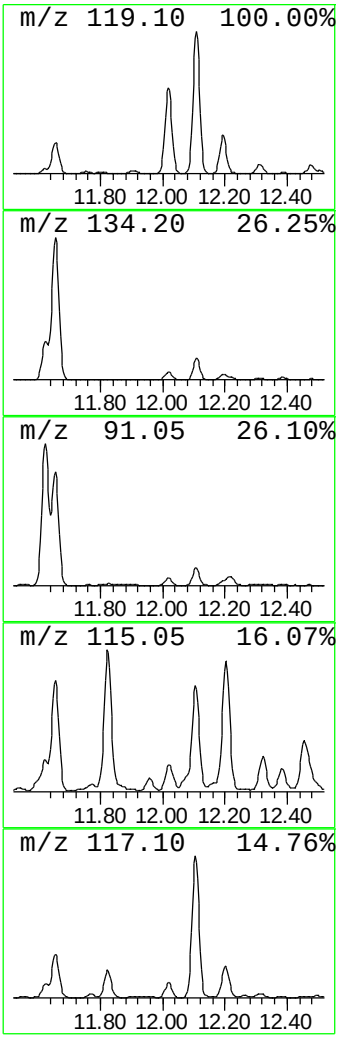
****

Peak Number 39 o-Cymene Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	1.54 ug/L	367029	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	91
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

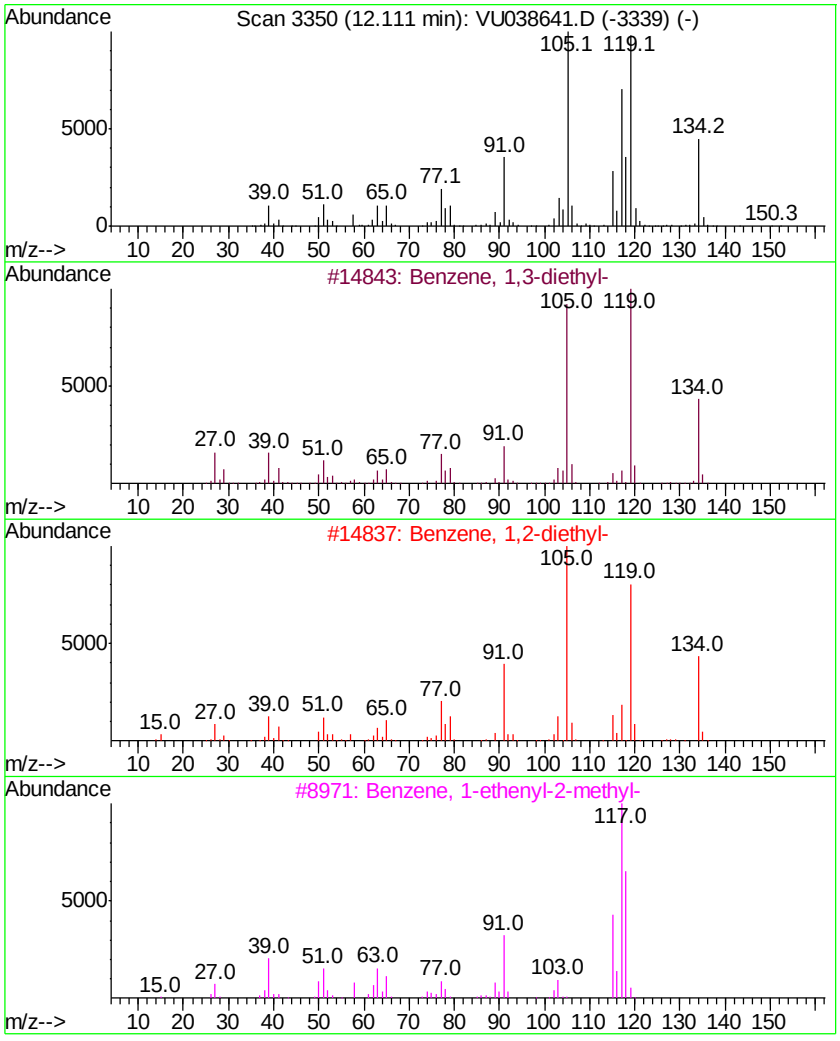
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

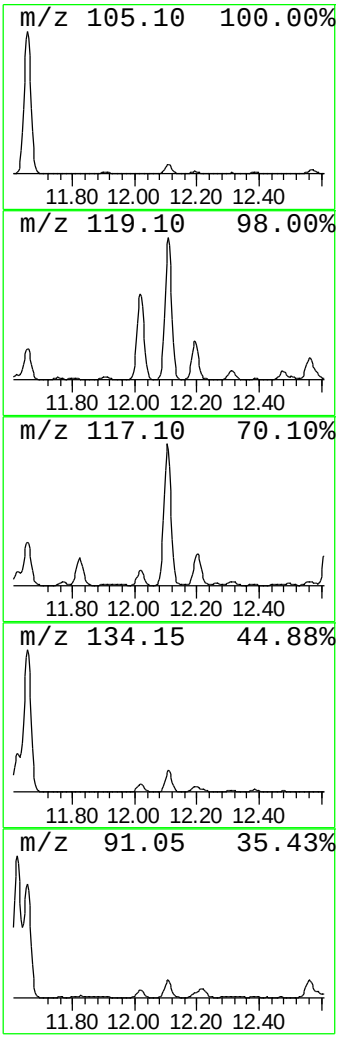
****

Peak Number 40 Benzene, 1,3-diethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	5.33 ug/L	1271290	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	80
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	80
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

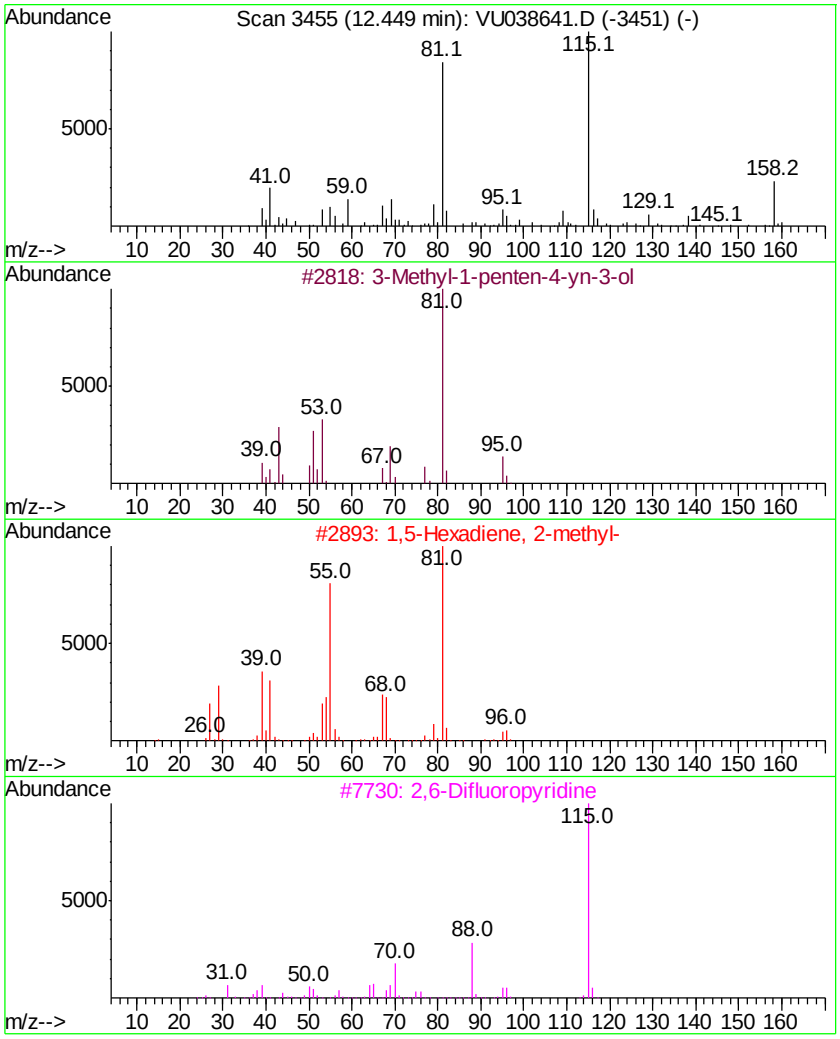
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

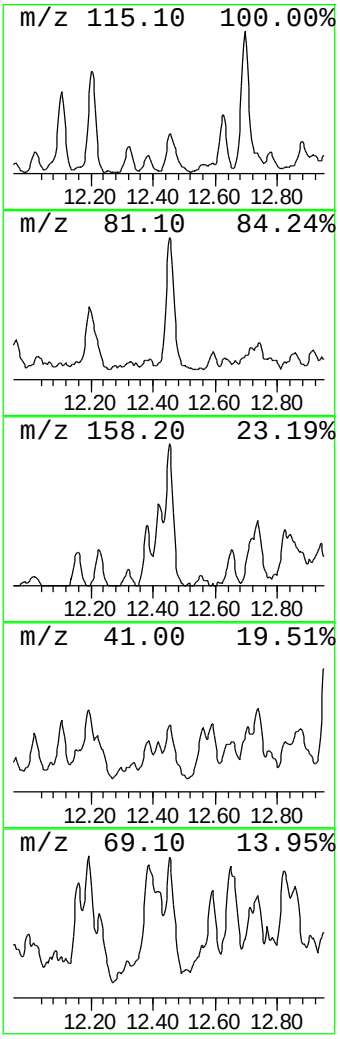
****

Peak Number 41 unknown-01 Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	1.23 ug/L	293204	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-1-penten-4-yn-3-ol	96	C6H8O	003230-69-1	30
2	1,5-Hexadiene, 2-methyl-	96	C7H12	004049-81-4	27
3	2,6-Difluoropyridine	115	C5H3F2N	001513-65-1	27
4	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	27
5	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

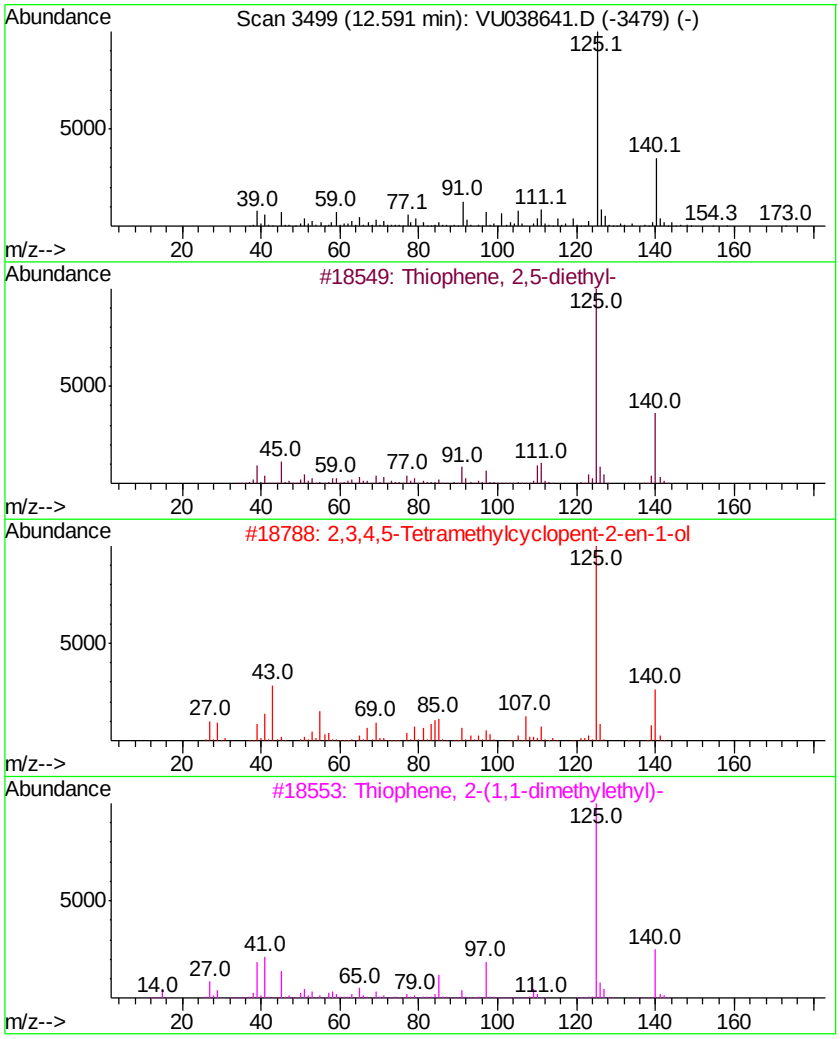
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

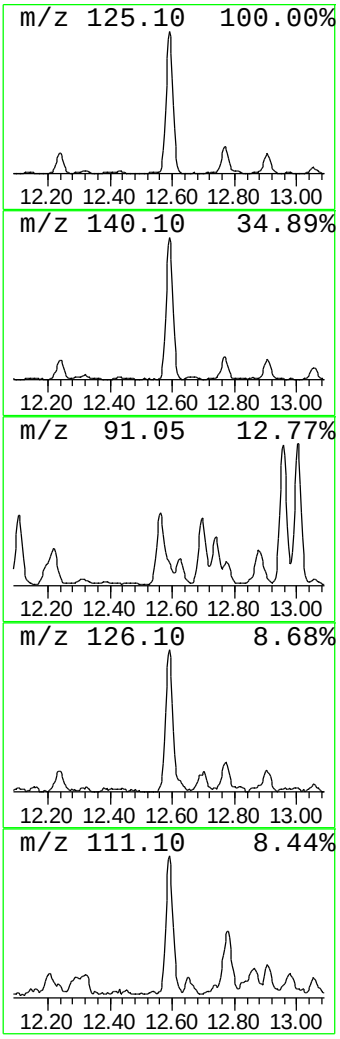
****

Peak Number 42 Thiophene, 2,5-diethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	4.26 ug/L	1016140	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,5-diethyl-	140	C8H12S	005069-23-8	80
2	2,3,4,5-Tetramethylcyclopent-2-e...	140	C9H16O	082061-20-9	72
3	Thiophene, 2-(1,1-dimethylethyl)-	140	C8H12S	001689-78-7	64
4	3-Amino-5-t-butylisoxazole	140	C7H12N2O	055809-36-4	64
5	2-Acetyl-5-methylthiophene	140	C7H8OS	013679-74-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

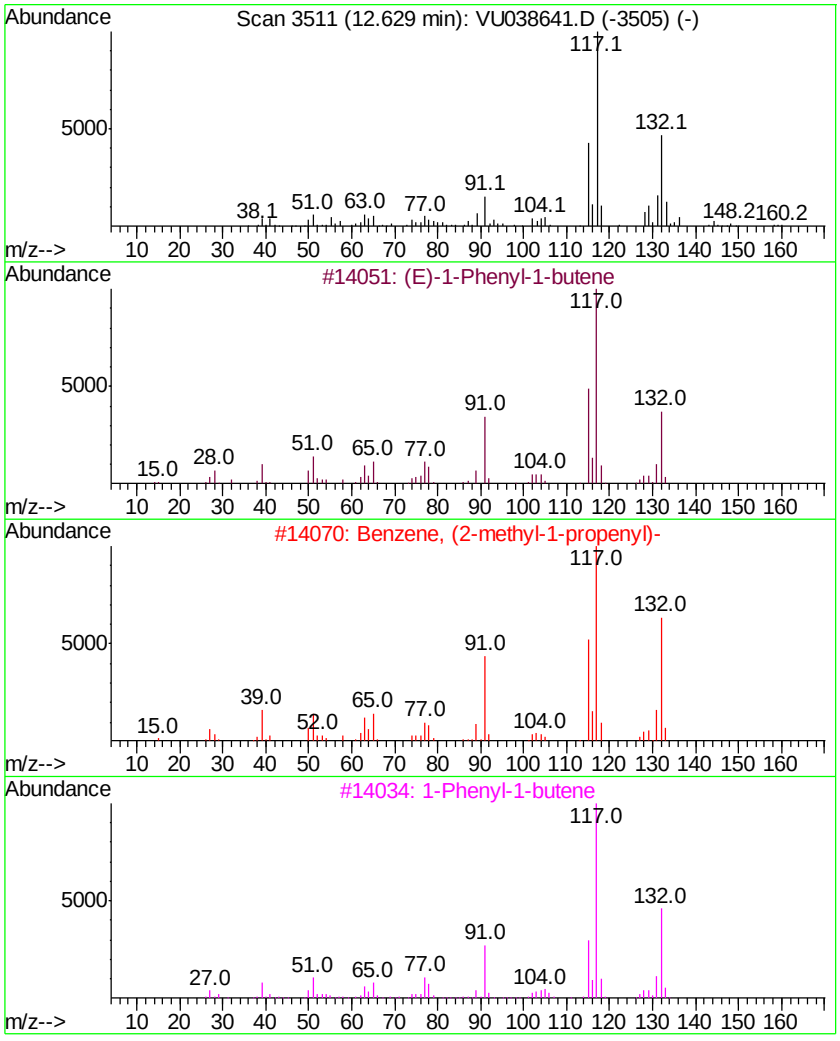
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

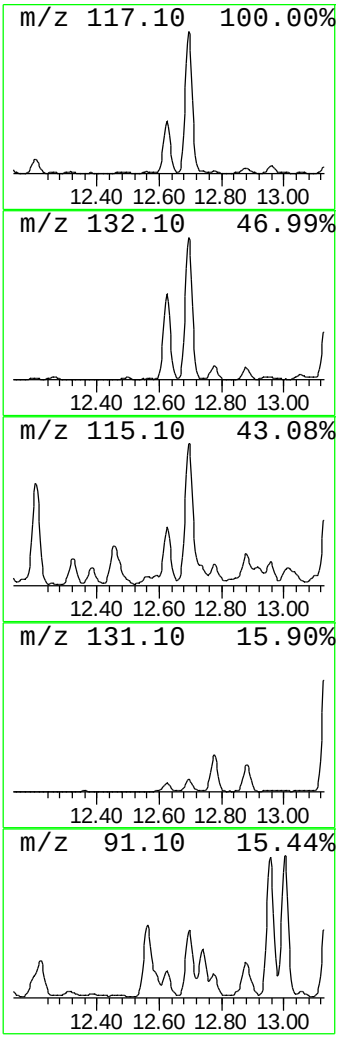
****

Peak Number 43 (E)-1-Phenyl-1-butene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.45 ug/L	584642	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	95
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

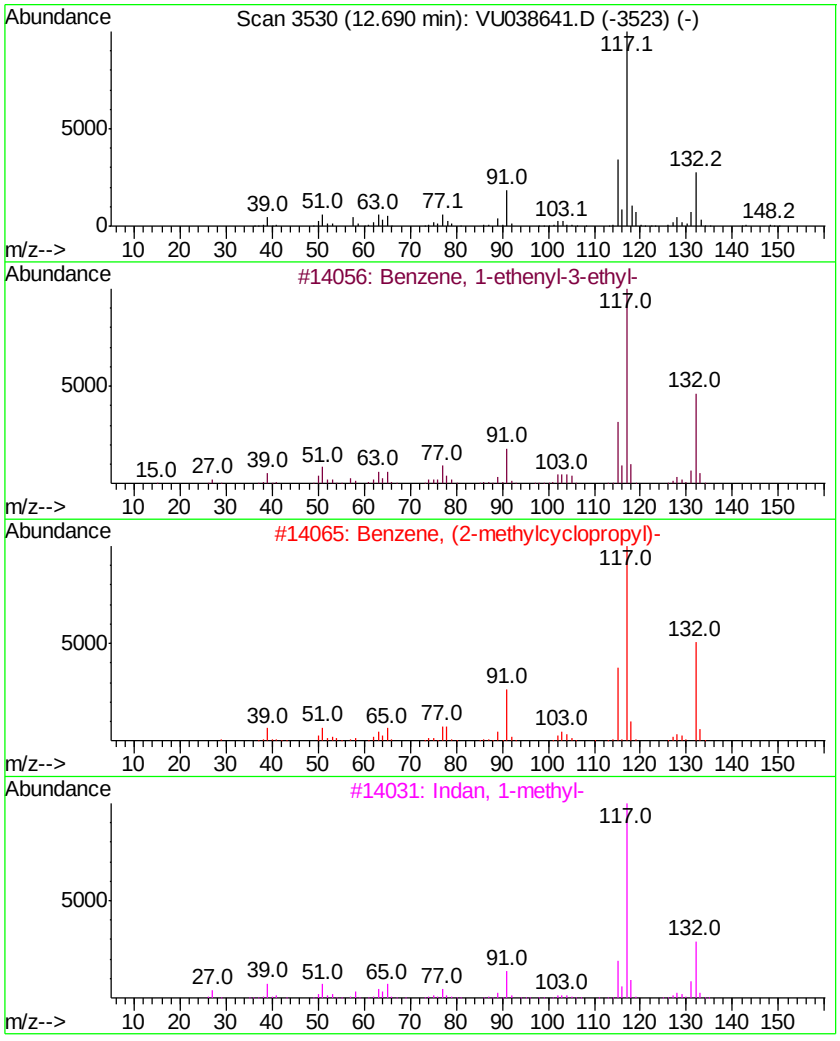
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

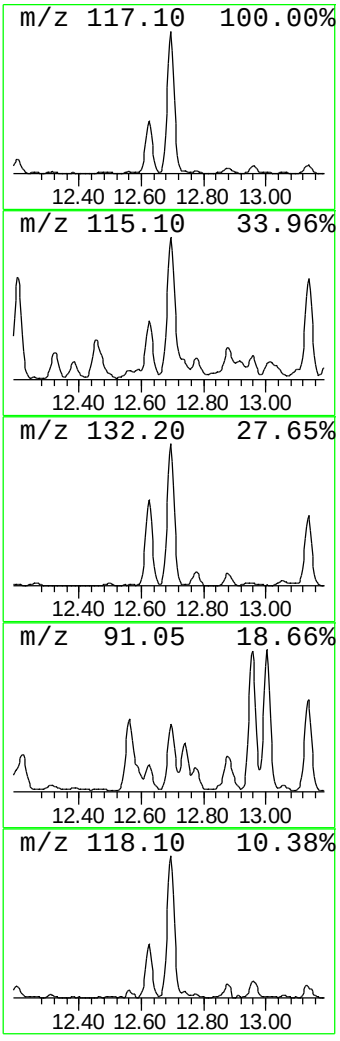
****

Peak Number 44 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	5.31 ug/L	1267650	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

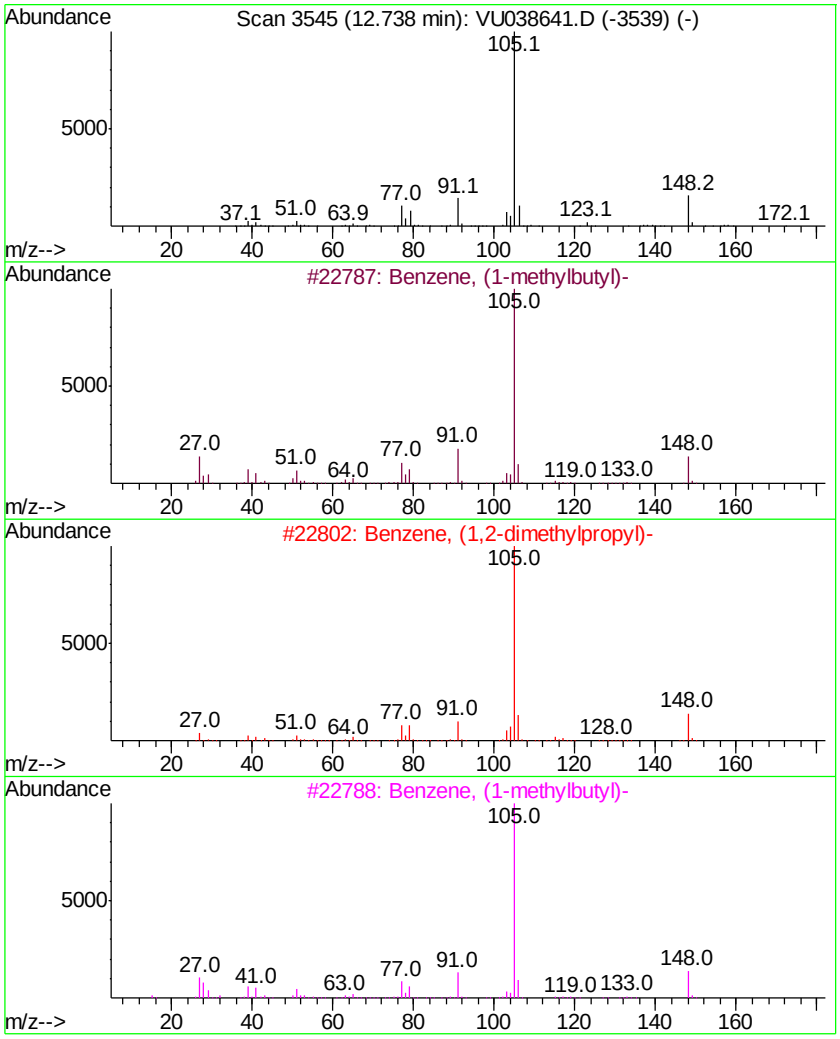
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

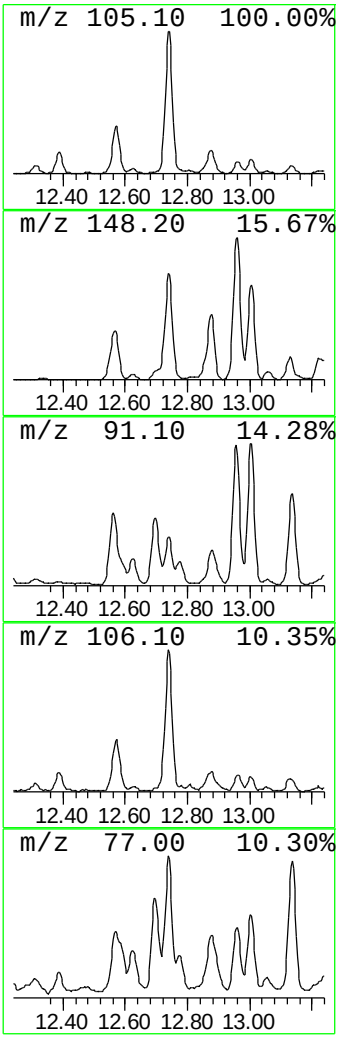
****

Peak Number 45 Benzene, (1-methylbutyl)- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	3.06 ug/L	730836	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	91
2	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	90
3	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	87
4	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	86
5	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

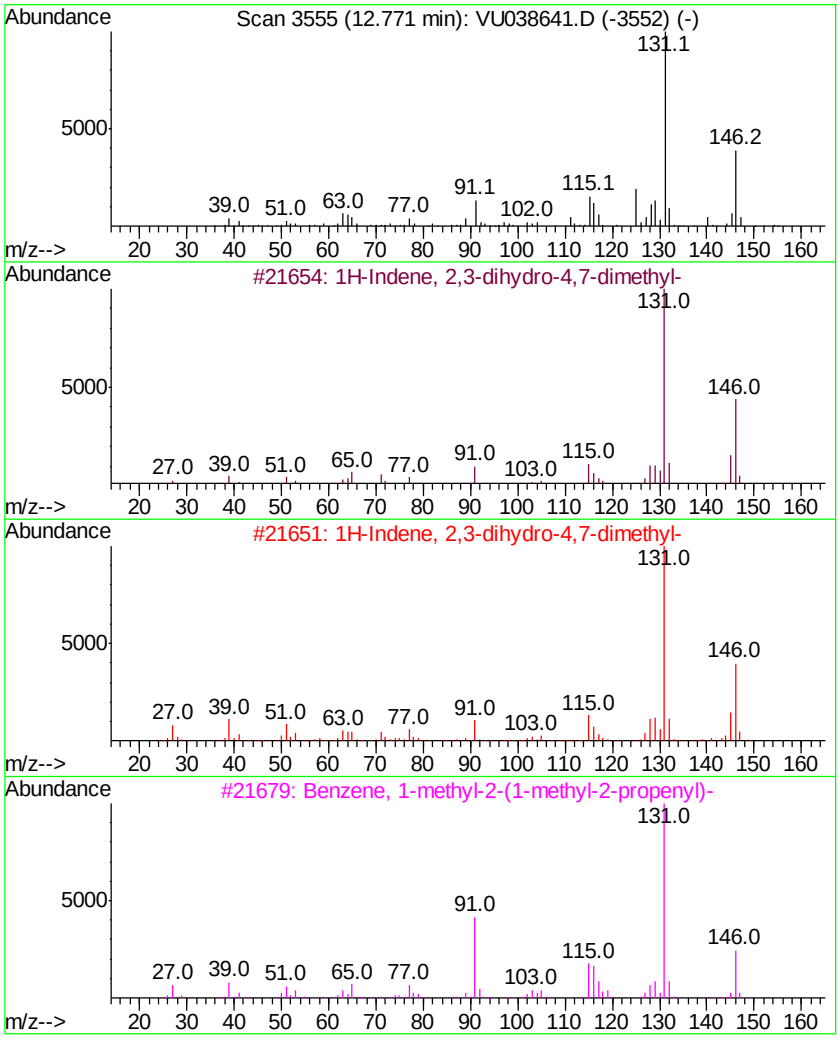
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

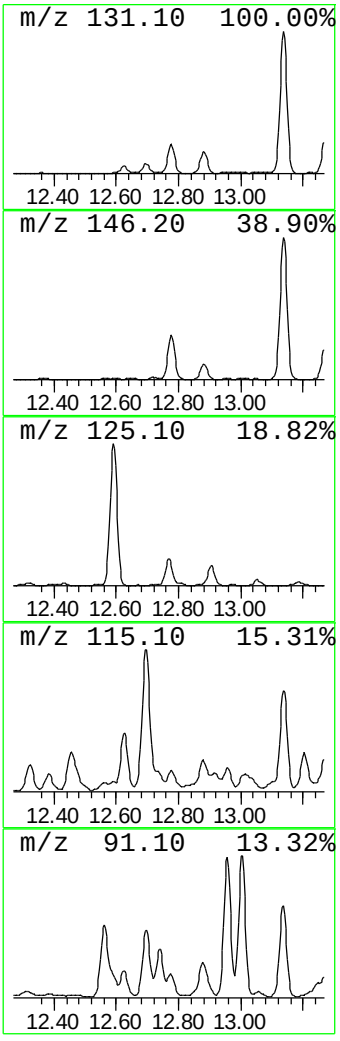
****

Peak Number 46 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	1.42 ug/L	339449	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	91
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

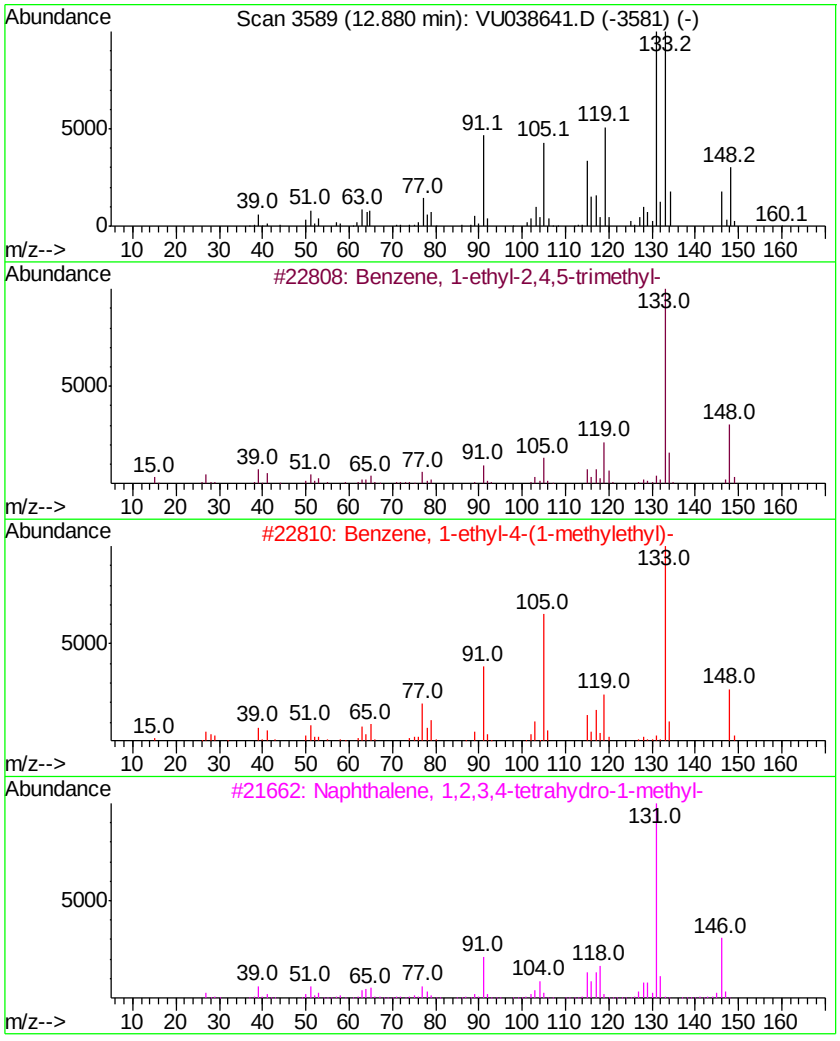
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

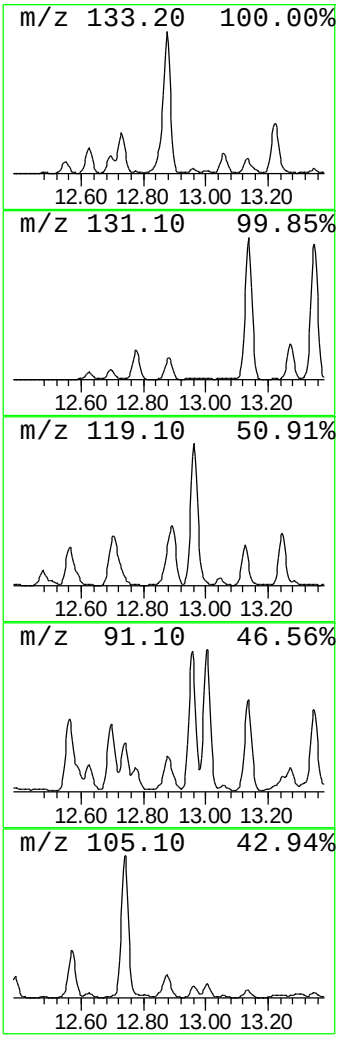
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	2.92 ug/L	696585	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	55
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	46
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	45
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

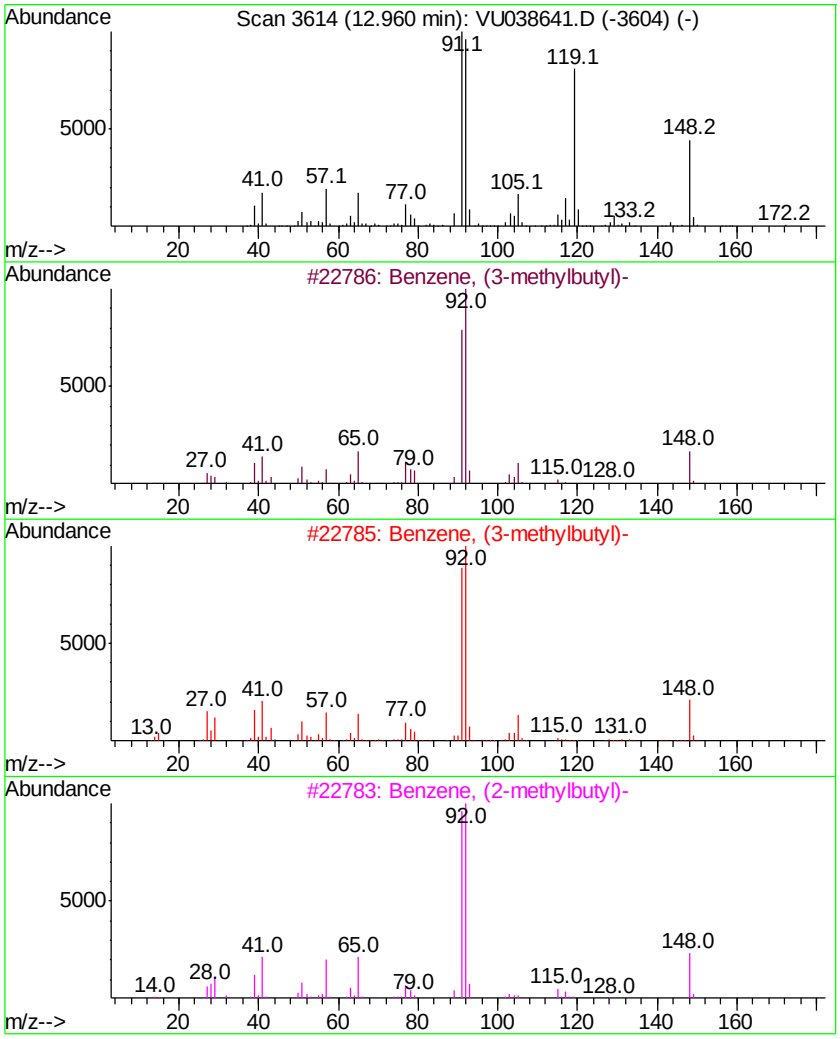
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

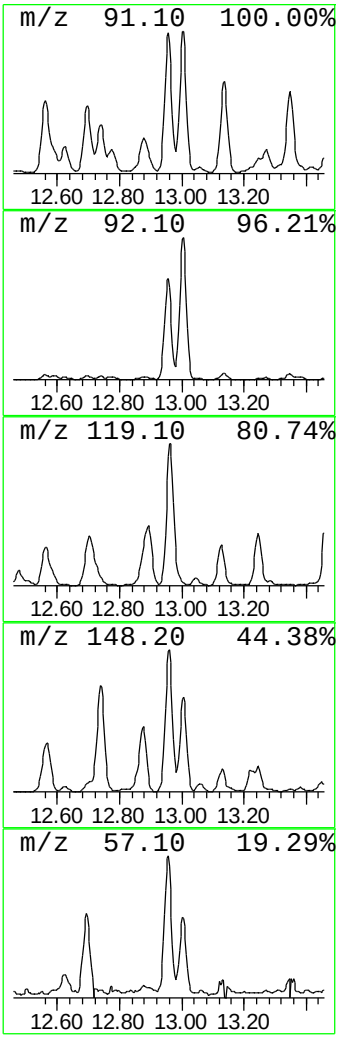
****

Peak Number 48 Benzene, (3-methylbutyl)- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.47 ug/L	826862	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	89
2	Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	76
3	Benzene, (2-methylbutyl)-	148	C11H16	003968-85-2	70
4	Benzeneacetaldehyde, .alpha.-ethyl-	148	C10H12O	002439-43-2	60
5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

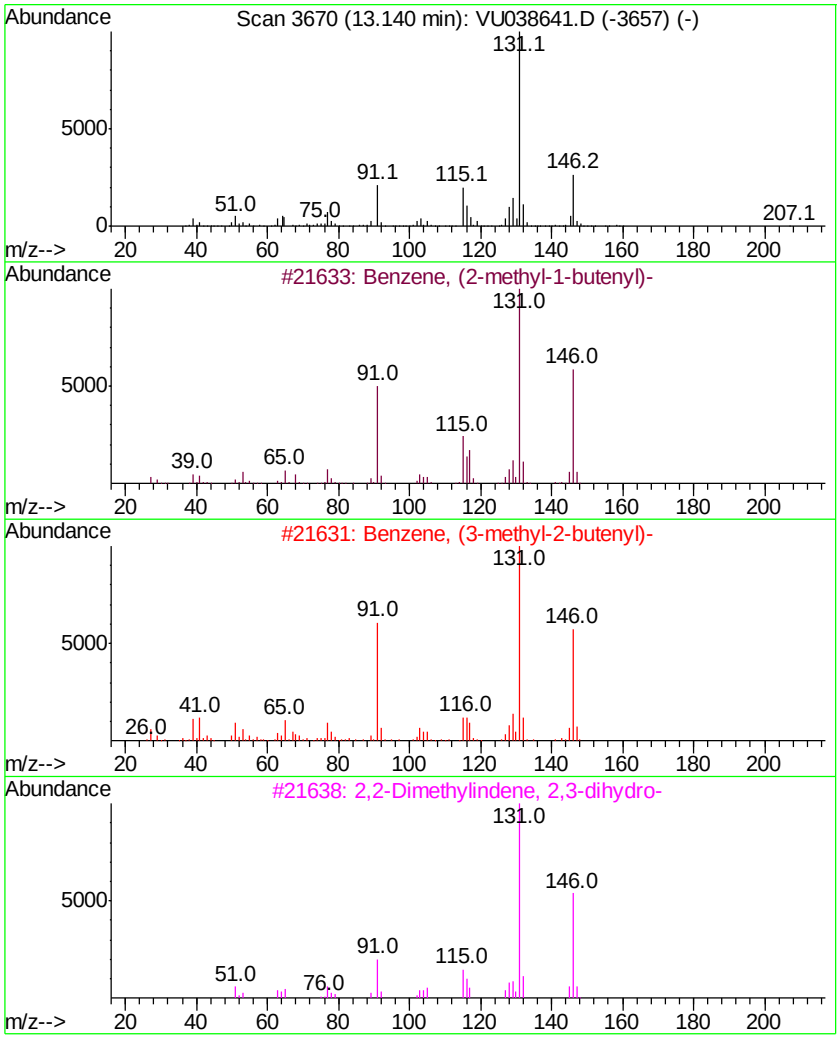
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

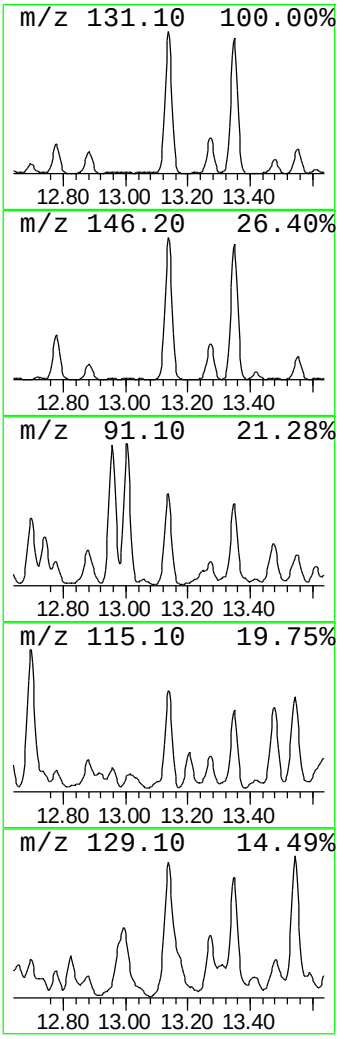
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 Benzene, (2-methyl-1-butenyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	6.71 ug/L	1601870	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	94
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

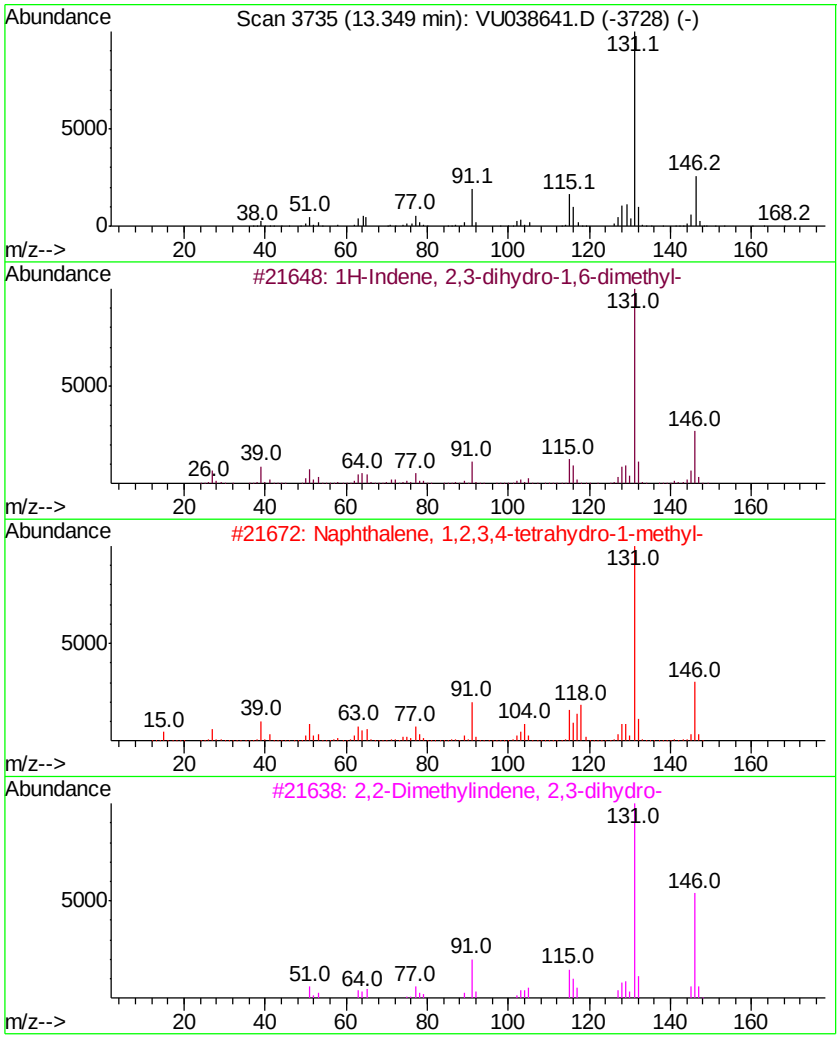
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

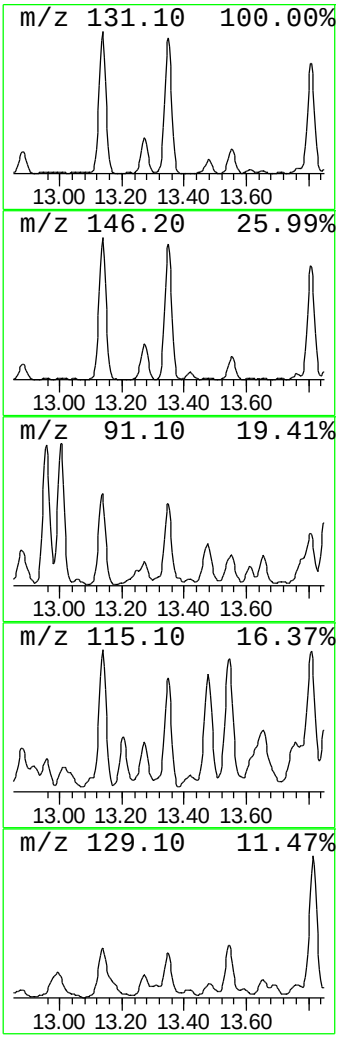
****

Peak Number 51 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	5.10 ug/L	1217510	1,4-Dichlorobenzene-d4	11.82

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	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

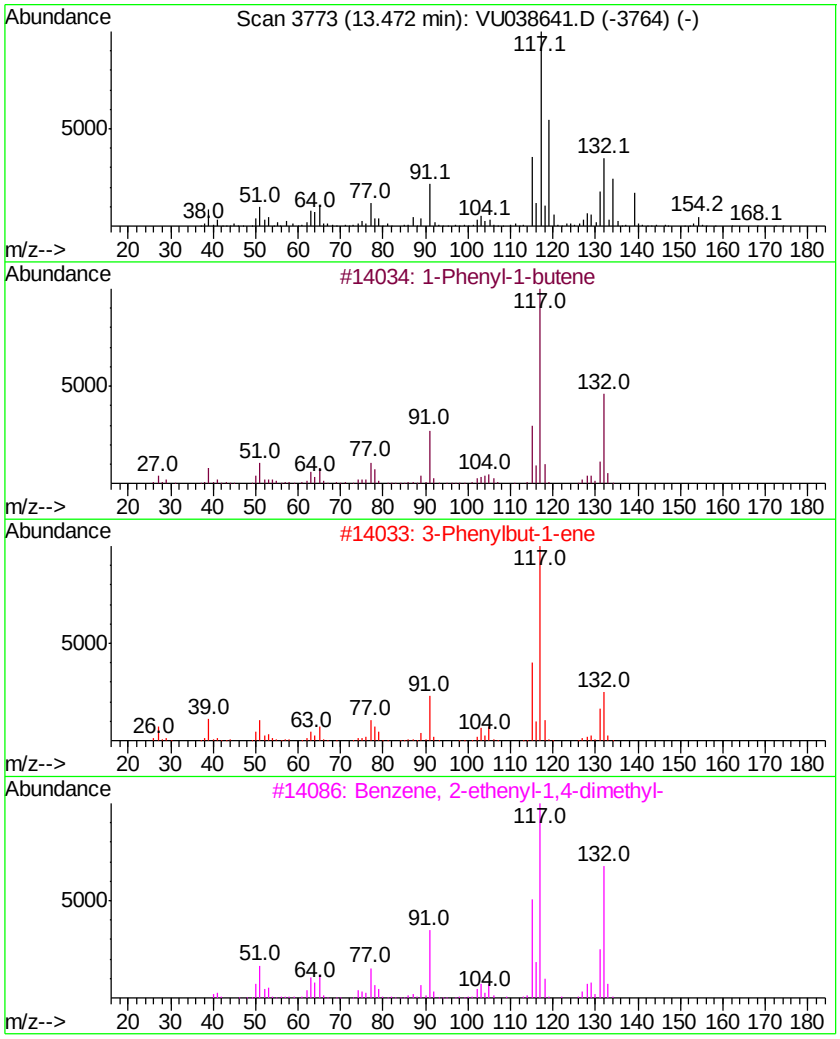
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

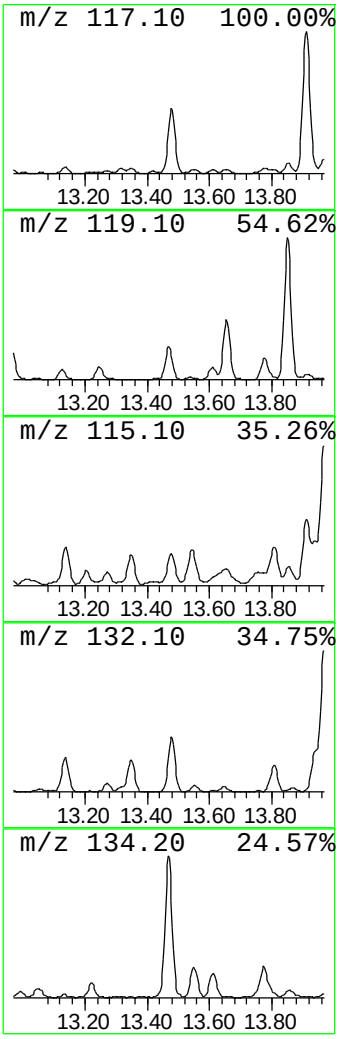
****

Peak Number 52 1-Phenyl-1-butene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	5.24 ug/L	1250810	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	64
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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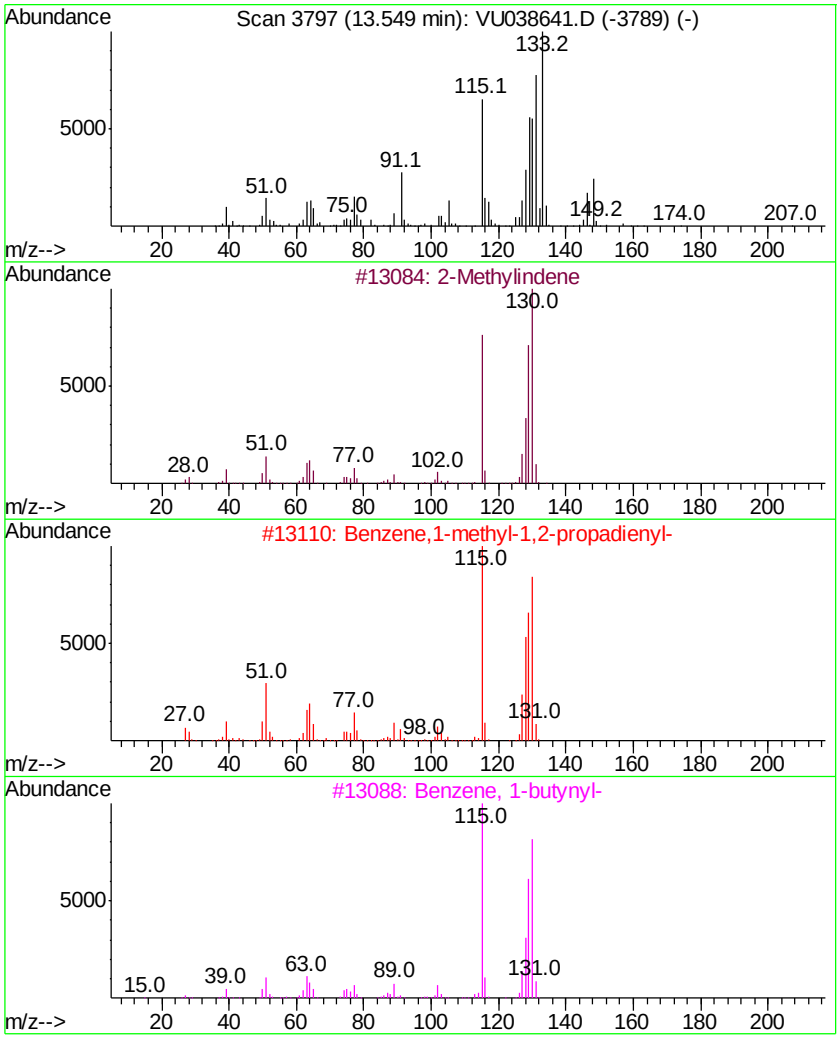
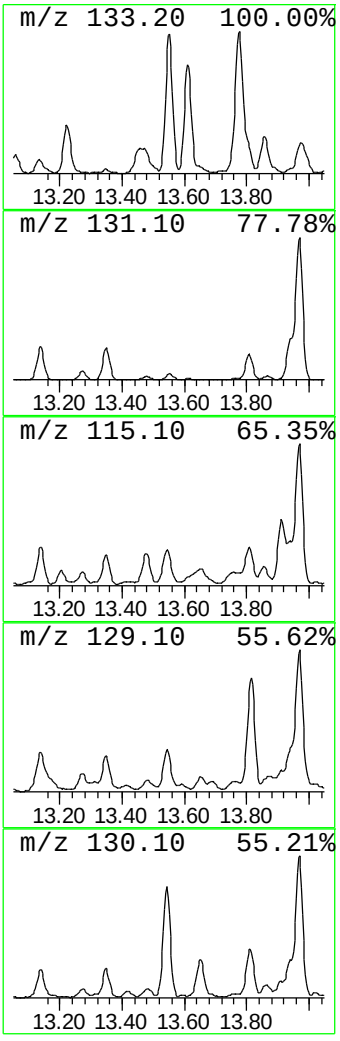
Peak Number 53 unknown-02 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	3.71 ug/L	884665	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	38
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	38
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	38
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	35
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038641.D
Acq On : 07 Jun 2020 01:44
Operator : SY/MD
Sample : L2911-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.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...	2.01	8.1	ug/L	1180200	1	6.28	730999	5.0
(DEL) Alkane: Str...	2.22	2.0	ug/L	287152	1	6.28	730999	5.0
Cyclopentene	3.05	1.8	ug/L	260048	1	6.28	730999	5.0
(DEL) Alkane: Cyc...	3.17	5.2	ug/L	758272	1	6.28	730999	5.0
(DEL) Alkane: Str...	3.39	2.0	ug/L	288783	1	6.28	730999	5.0
(DEL) Alkane: Cyc...	4.57	4.7	ug/L	679700	1	6.28	730999	5.0
(DEL) Alkane: Cyc...	5.67	6.2	ug/L	900289	1	6.28	730999	5.0
Ethylidenecyclobu...	5.93	2.2	ug/L	316325	1	6.28	730999	5.0
(DEL) Alkane: Str...	6.84	1.5	ug/L	225413	1	6.28	730999	5.0
(DEL) Alkane: Str...	6.89	1.9	ug/L	277892	1	6.28	730999	5.0
(DEL) Alkane: Cyc...	7.10	8.3	ug/L	1205670	1	6.28	730999	5.0
(DEL) Alkane: Cyc...	7.26	8.8	ug/L	1293010	1	6.28	730999	5.0
Cyclobutane, (1-m...	7.42	1.6	ug/L	232982	1	6.28	730999	5.0
(DEL) Alkane: Str...	7.50	2.7	ug/L	389755	1	6.28	730999	5.0
(DEL) Alkane: Cyc...	7.61	8.1	ug/L	1179450	1	6.28	730999	5.0
(DEL) Alkane: Cyc...	7.78	1.8	ug/L	256823	1	6.28	730999	5.0
(DEL) Alkane: Cyc...	8.06	6.5	ug/L	1130440	2	9.44	874383	5.0
Thiophene, 2-methyl-	8.12	1.8	ug/L	314659	2	9.44	874383	5.0
(DEL) Alkane: Cyc...	8.26	15.8	ug/L	2770830	2	9.44	874383	5.0
(DEL) Alkane: Cyc...	8.39	2.0	ug/L	348727	2	9.44	874383	5.0
Cyclopentene, 1,2...	8.43	6.8	ug/L	1187310	2	9.44	874383	5.0
(DEL) Alkane: Cyc...	8.83	3.3	ug/L	583189	2	9.44	874383	5.0
(DEL) Alkane: Cyc...	8.94	7.9	ug/L	1379690	2	9.44	874383	5.0
Cyclohexene, 3,3,...	9.09	4.0	ug/L	691053	2	9.44	874383	5.0
(DEL) Alkane: Cyc...	9.18	3.4	ug/L	587124	2	9.44	874383	5.0
2,4-Heptadiene, 2...	9.28	1.9	ug/L	333692	2	9.44	874383	5.0
Cyclohexene, 3,5,...	9.34	1.4	ug/L	242558	2	9.44	874383	5.0
Thiophene, tetrah...	9.84	2.1	ug/L	361558	2	9.44	874383	5.0
4-Ethylcyclohexene	9.91	2.3	ug/L	394659	2	9.44	874383	5.0
(DEL) Alkane: Cyc...	10.05	8.1	ug/L	1407660	2	9.44	874383	5.0
(DEL) Alkane: Cyc...	10.25	1.4	ug/L	248037	2	9.44	874383	5.0
Bicyclo[3.3.1]nonane	10.29	3.0	ug/L	527727	2	9.44	874383	5.0
1-Methylbicyclo[3...	10.71	1.0	ug/L	235812	3	11.82	1192860	5.0
(DEL) Alkane: Cyc...	10.83	1.6	ug/L	385034	3	11.82	1192860	5.0
Benzene, 1-ethyl-...	11.30	4.0	ug/L	952343	3	11.82	1192860	5.0
Benzene, tert-butyl-	11.43	1.6	ug/L	369703	3	11.82	1192860	5.0
Benzene, (2-methy...	11.62	6.3	ug/L	1504270	3	11.82	1192860	5.0
Benzeneacetaldehy...	11.65	30.3	ug/L	7222860	3	11.82	1192860	5.0
o-Cymene	12.02	1.5	ug/L	367029	3	11.82	1192860	5.0
Benzene, 1,3-diet...	12.11	5.3	ug/L	1271290	3	11.82	1192860	5.0
unknown-01	12.45	1.2	ug/L	293204	3	11.82	1192860	5.0
Thiophene, 2,5-di...	12.59	4.3	ug/L	1016140	3	11.82	1192860	5.0
(E)-1-Phenyl-1-bu...	12.63	2.5	ug/L	584642	3	11.82	1192860	5.0
Benzene, 1-etheny...	12.69	5.3	ug/L	1267650	3	11.82	1192860	5.0
Benzene, (1-methy...	12.74	3.1	ug/L	730836	3	11.82	1192860	5.0
1H-Indene, 2,3-di...	12.77	1.4	ug/L	339449	3	11.82	1192860	5.0
Benzene, 1-ethyl-...	12.88	2.9	ug/L	696585	3	11.82	1192860	5.0
Benzene, (3-methy...	12.96	3.5	ug/L	826862	3	11.82	1192860	5.0
Benzene, (2-methy...	13.14	6.7	ug/L	1601870	3	11.82	1192860	5.0

1H-Indene, 2,3-di...	13.35	5.1	ug/L	1217510	3	11.82	1192860	5.0
1-Phenyl-1-butene	13.47	5.2	ug/L	1250810	3	11.82	1192860	5.0
unknown-02	13.55	3.7	ug/L	884665	3	11.82	1192860	5.0

Instrument :
MSVOA_U
ClientSampleId :
F9D05