LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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	1.501	45	50	64	rVB2	32083	35606	2.26%	0.156%
2	1.613	76	85	99	rVB2	213693	240915	15.32%	1.059%
3	1.748	120	127	137	rVB	60131	77254	4.91%	0.339%
4	1.932	175	184	197	rVB	128947	166814	10.61%	0.733%
5	2.015	200	210	222	rVB	137922	188293	11.97%	0.827%
6	2.594	376	390	407	rBV	286533	482895	30.71%	2.122%
7	3.073	521	539	546	rBV5	14873	41293	2.63%	0.181%
8	3.170	559	569	581	rVB	59166	107406	6.83%	0.472%
9	3.392	625	638	652	rVB3	16626	38022	2.42%	0.167%
10	4.572	990	1005	1020	rVV4	40664	95843	6.09%	0.421%
11	4.678	1021	1038	1092	rVB	206197	644442	40.98%	2.832%
12	5.102	1152	1170	1186	rBV2	226821	498172	31.68%	2.189%
13	5.424	1255	1270	1283	rBV4	60555	139759	8.89%	0.614%
14	5.671	1322	1347	1357	rBV2	95042	220625	14.03%	0.969%
15	5.761	1357	1375	1383	rVV2	470552	1213718	77.18%	5.333%
16	5.809	1384	1390	1406	rVB	308696	594874	37.83%	2.614%
17	6.279	1521	1536	1572	rBV	380219	758212	48.22%	3.332%
18	6.723	1660	1674	1684	rBV	280790	569160	36.19%	2.501%
19	6.893	1717	1727	1738	rVB5	17071	33761	2.15%	0.148%
20	7.099	1773	1791	1804	rBV3	85063	173752	11.05%	0.763%
21	7.260	1830	1841	1860	rVB2	97406	193630	12.31%	0.851%
22	7.420	1876	1891	1902	rBV5	22431	51271	3.26%	0.225%
23	7.497	1904	1915	1928	rVB2	31913	60683	3.86%	0.267%
24	7.594	1928	1945	1973	rBV2	182499	477494	30.36%	2.098%
25	7.787	1992	2005	2021	rVB9	17123	46278	2.94%	0.203%
26	7.922	2022	2047	2063	rBV	643832	1301442	82.76%	5.719%
27	8.060	2078	2090	2102	rBV2	131627	251432	15.99%	1.105%
28	8.202	2119	2134	2143	rBV	112555	197463	12.56%	0.868%
29	8.266	2143	2154	2174	rVB	229157	434004	27.60%	1.907%
30	8.391	2178	2193	2197	rBV4	33571	65265	4.15%	0.287%
31	8.430	2197	2205	2218	rVB	119922	204710	13.02%	0.900%
32	8.488	2219	2223	2237	rVB3	20369	35670	2.27%	0.157%
33	8.655	2256	2275	2290	rBV	862903	1572544	100.00%	6.910%
34	8.829	2316	2329	2344	rVB8	53872	118695	7.55%	0.522%

LSC Area Percent Report

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Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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	8.944	2355	2365	2376	rBV2	97280	175894	11.19%	0.773%
36	9.089	2399	2410	2427	rVB4	47656	95057	6.04%	0.418%
37	9.182	2427	2439	2453	rBV3	33018	65973	4.20%	0.290%
38	9.282	2457	2470	2479	rVV	58234	106773	6.79%	0.469%
39	9.337	2479	2487	2499	rVB5	23741	48726	3.10%	0.214%
40	9.436	2505	2518	2527	rBV	539865	920172	58.51%	4.043%
41	9.485	2528	2533	2542	rVV	87017	144789	9.21%	0.636%
42	9.542	2542	2551	2558	rVV5	53548	108309	6.89%	0.476%
43	9.587	2559	2565	2581	rVB3	46970	96607	6.14%	0.424%
44	9.706	2586	2602	2617	rVB6	120051	294938	18.76%	1.296%
45	9.845	2632	2645	2652	rBV9	32730	71976	4.58%	0.316%
46	9.906	2654	2664	2678	rVB5	31436	79301	5.04%	0.348%
47	10.047	2693	2708	2715	rBV8	47006	135321	8.61%	0.595%
48	10.288	2776	2783	2800	rVV6	39334	93778	5.96%	0.412%
49	10.385	2800	2813	2823	rVV8	25080	60473	3.85%	0.266%
50	10.497	2840	2848	2856	rVV2	50008	81027	5.15%	0.356%
51	10.542	2856	2862	2867	rVV3	25694	39941	2.54%	0.176%
52	10.578	2868	2873	2884	rVB3	30963	49985	3.18%	0.220%
53	10.713	2907	2915	2922	rVV3	27114	43117	2.74%	0.189%
54	10.771	2922	2933	2944	rVV	222400	383119	24.36%	1.683%
55	10.825	2946	2950	2959	rVB5	26159	36103	2.30%	0.159%
56	10.902	2966	2974	2985	rVB4	34331	58532	3.72%	0.257%
57	11.311	3093	3101	3122	rVB6	29135	88062	5.60%	0.387%
58	11.427	3122	3137	3146	rBV3	33890	71520	4.55%	0.314%
59	11.623	3185	3198	3200	rBV2	157356	206814	13.15%	0.909%
60	11.655	3201	3208	3229	rVB	715328	1135253	72.19%	4.988%
61	11.825	3248	3261	3273	rBV	625151	1016874	64.66%	4.468%
62	12.018	3310	3321	3330	rBV2	41537	69402	4.41%	0.305%
63	12.108	3334	3349	3358	rVV2	100508	163364	10.39%	0.718%
64	12.205	3368	3379	3398	rVB	629216	1060416	67.43%	4.660%
65	12.452	3451	3456	3470	rVB4	26136	48248	3.07%	0.212%
66	12.568	3479	3492	3493	rBV5	37014	53464	3.40%	0.235%
67	12.591	3494	3499	3505	rVV	57004	88810	5.65%	0.390%
68	12.626	3505	3510	3523	rVV3	38300	80591	5.12%	0.354%
69	12.697	3524	3532	3539	rVV2	92137	155568	9.89%	0.684%
70	12.738	3540	3545	3552	rVV2	50292	81620	5.19%	0.359%
71	12.777	3552	3557	3567	rVB5	29414	44971	2.86%	0.198%

LSC Area Percent Report

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Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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	12.880	3585	3589	3604	rVB6	49162	81256	5.17%	0.357%
73	12.960	3604	3614	3621	rBV4	63170	111101	7.07%	0.488%
74	13.002	3622	3627	3637	rVB2	49202	74586	4.74%	0.328%
75	13.137	3657	3669	3684	rBV2	144064	258834	16.46%	1.137%
76	13.272	3699	3711	3717	rBV3	26986	48976	3.11%	0.215%
77	13.349	3727	3735	3745	rVB2	135609	212314	13.50%	0.933%
78	13.417	3745	3756	3763	rBV5	23788	50773	3.23%	0.223%
79	13.475	3764	3774	3781	rBV5	63442	119320	7.59%	0.524%
80	13.549	3790	3797	3808	rVB6	61781	98914	6.29%	0.435%
81	13.610	3809	3816	3823	rBV3	31770	43654	2.78%	0.192%
82	13.655	3824	3830	3846	rVB3	46499	90500	5.76%	0.398%
83	13.777	3847	3868	3870	rBV7	50282	114932	7.31%	0.505%
84	13.809	3871	3878	3886	rVB2	100749	148698	9.46%	0.653%
85	13.854	3886	3892	3902	rVB3	70381	102411	6.51%	0.450%
86	13.912	3902	3910	3913	rBV	93061	129135	8.21%	0.567%
87	13.970	3921	3928	3939	rVB	469835	769195	48.91%	3.380%
88	14.089	3955	3965	3973	rBV	65082	109440	6.96%	0.481%
89	14.285	4017	4026	4030	rBV4	39043	61938	3.94%	0.272%
90	14.314	4030	4035	4046	rVV4	60022	118107	7.51%	0.519%
91	14.385	4048	4057	4065	rVV2	61308	113895	7.24%	0.500%
92	14.552	4104	4109	4117	rVB4	30999	43515	2.77%	0.191%
93	14.658	4136	4142	4164	rVB3	60106	128959	8.20%	0.567%
94	14.803	4181	4187	4197	rVB7	26445	39220	2.49%	0.172%
95	14.912	4212	4221	4236	rVB4	106970	208642	13.27%	0.917%
96	15.066	4260	4269	4281	rBV5	52636	96695	6.15%	0.425%
97	15.201	4301	4311	4320	rBV5	34360	69582	4.42%	0.306%
98	15.317	4336	4347	4366	rVB5	96078	213777	13.59%	0.939%
99	15.468	4384	4394	4404	rVB4	68196	126672	8.06%	0.557%
100	16.449	4690	4699	4710	rBV3	51729	86803	5.52%	0.381%

Sum of corrected areas: 22758129

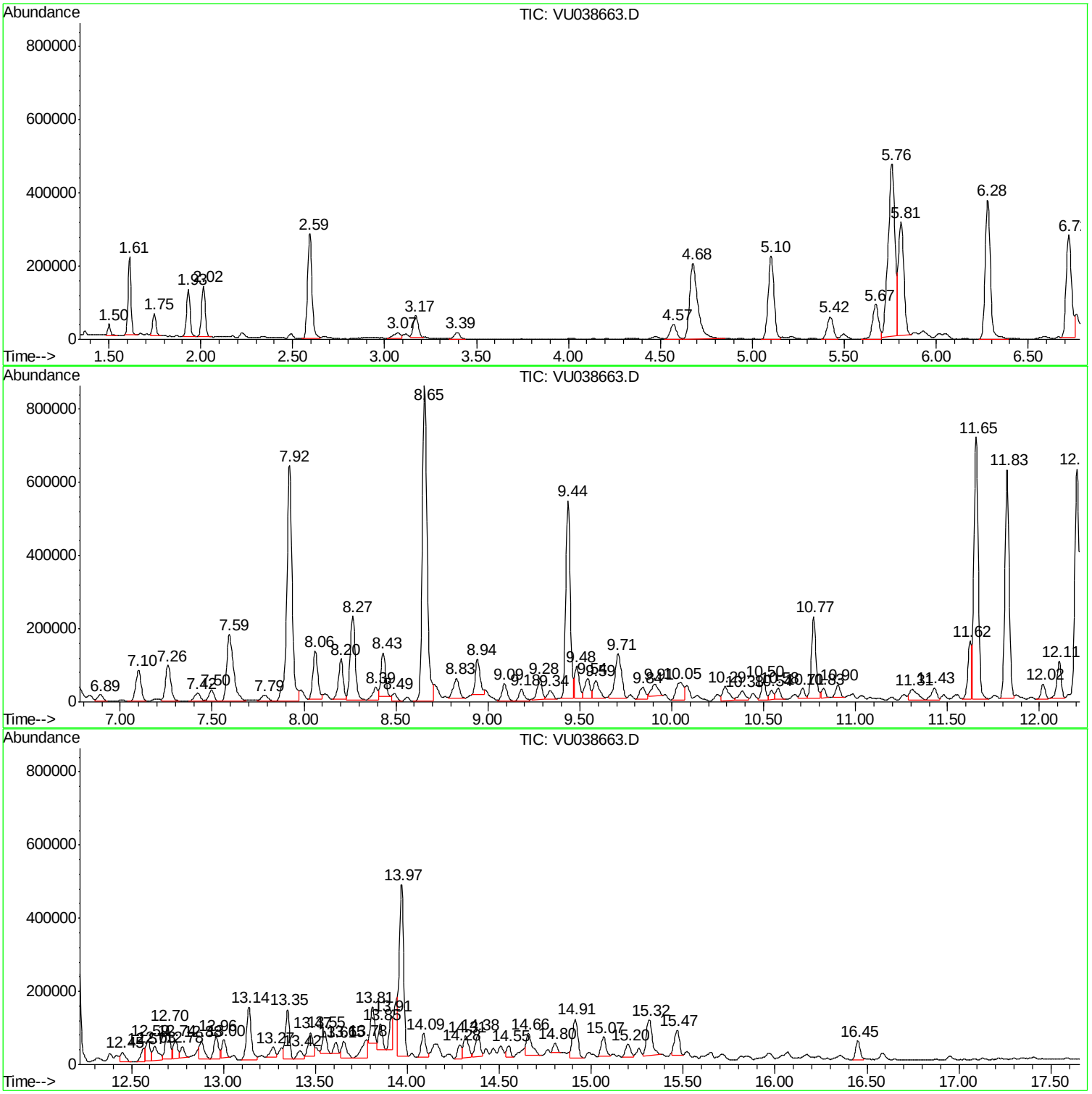
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

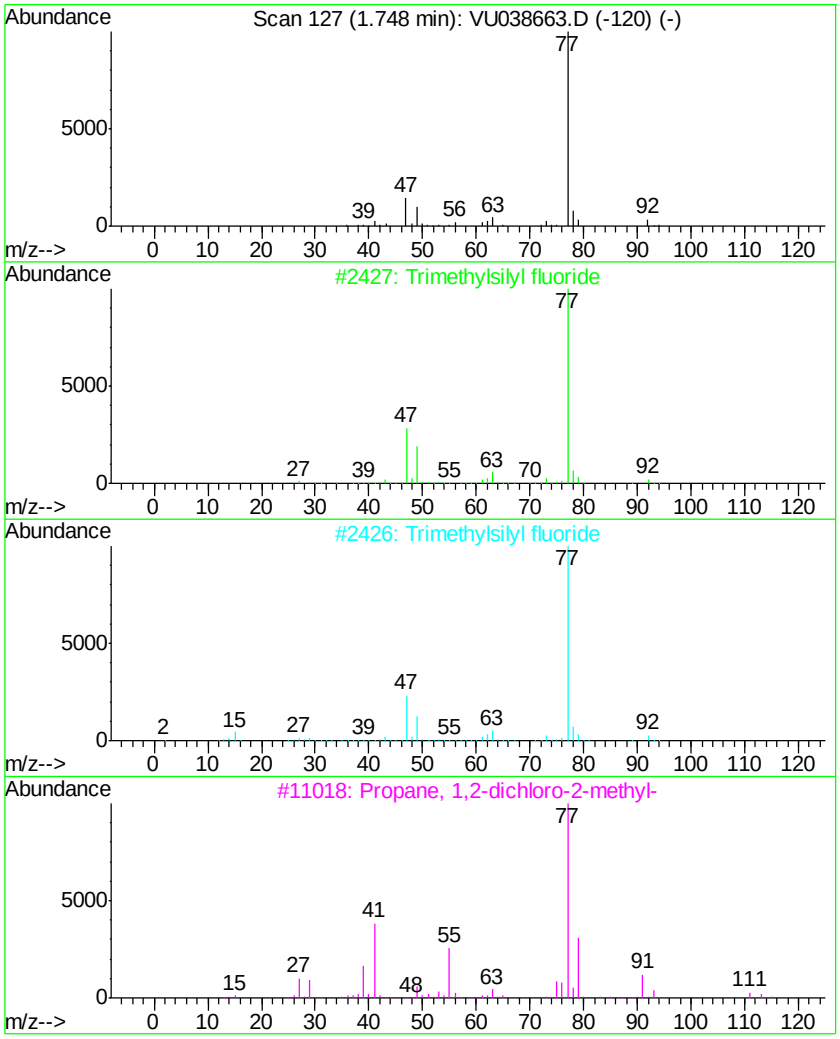
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

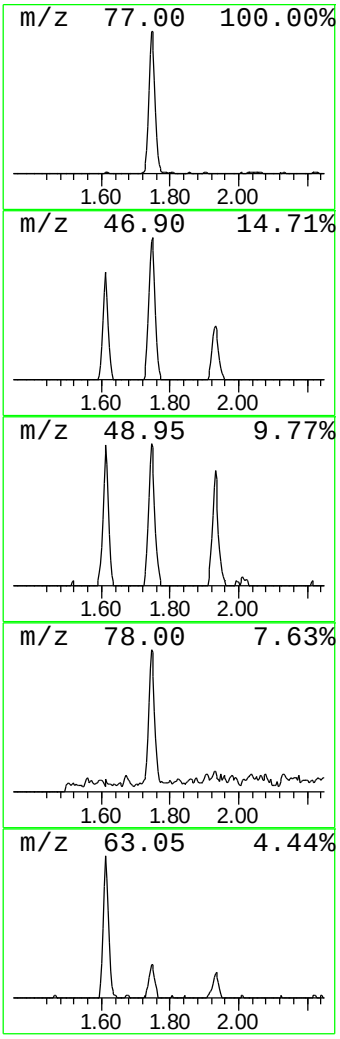
****

Peak Number 1 Trimethylsilyl fluoride Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	0.51 ug/L	77254	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trimethylsilyl fluoride	92	C3H9FSi	000420-56-4	91
2	Trimethylsilyl fluoride	92	C3H9FSi	000420-56-4	52
3	Propane, 1,2-dichloro-2-methyl-	126	C4H8Cl2	000594-37-6	9
4	Trimethylphosphine oxide	92	C3H9OP	000676-96-0	9
5	Propane, 1,2-dichloro-2-methyl-	126	C4H8Cl2	000594-37-6	2





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

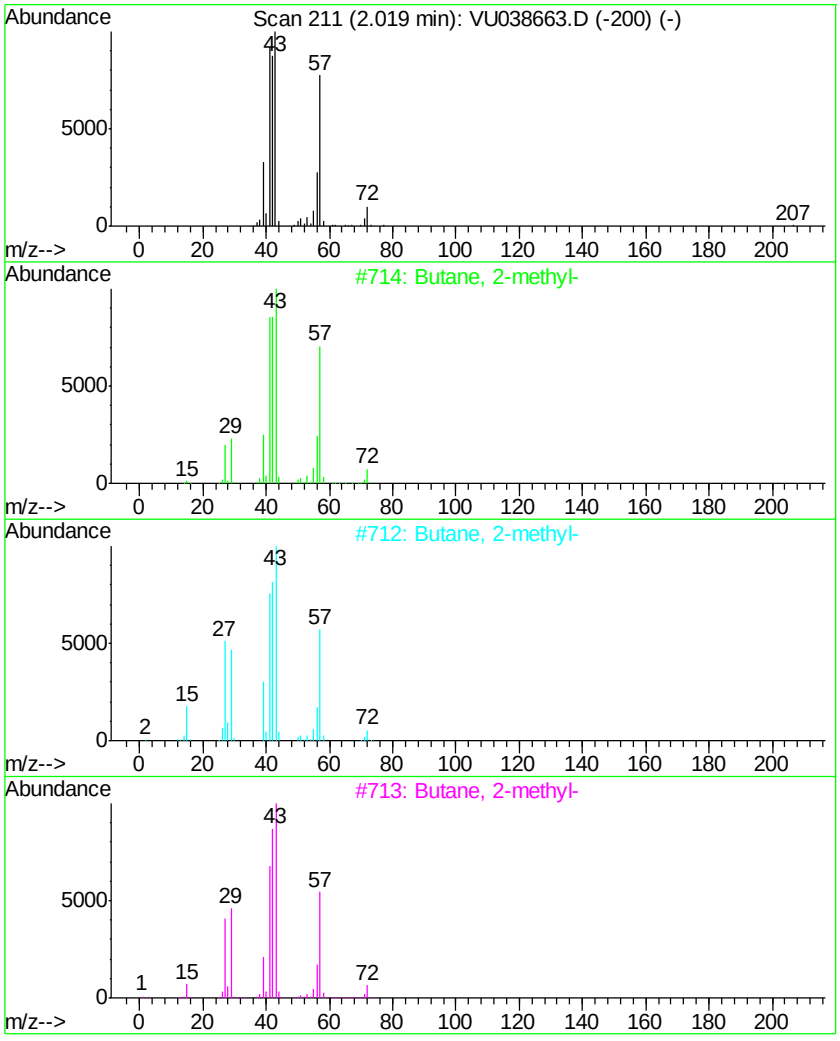
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

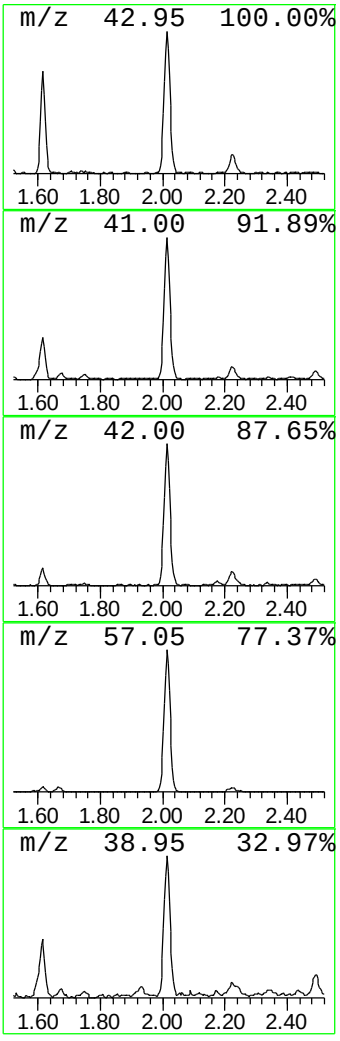
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.02	1.24 ug/L	188293	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	86
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Pentane	72	C5H12	000109-66-0	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
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Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

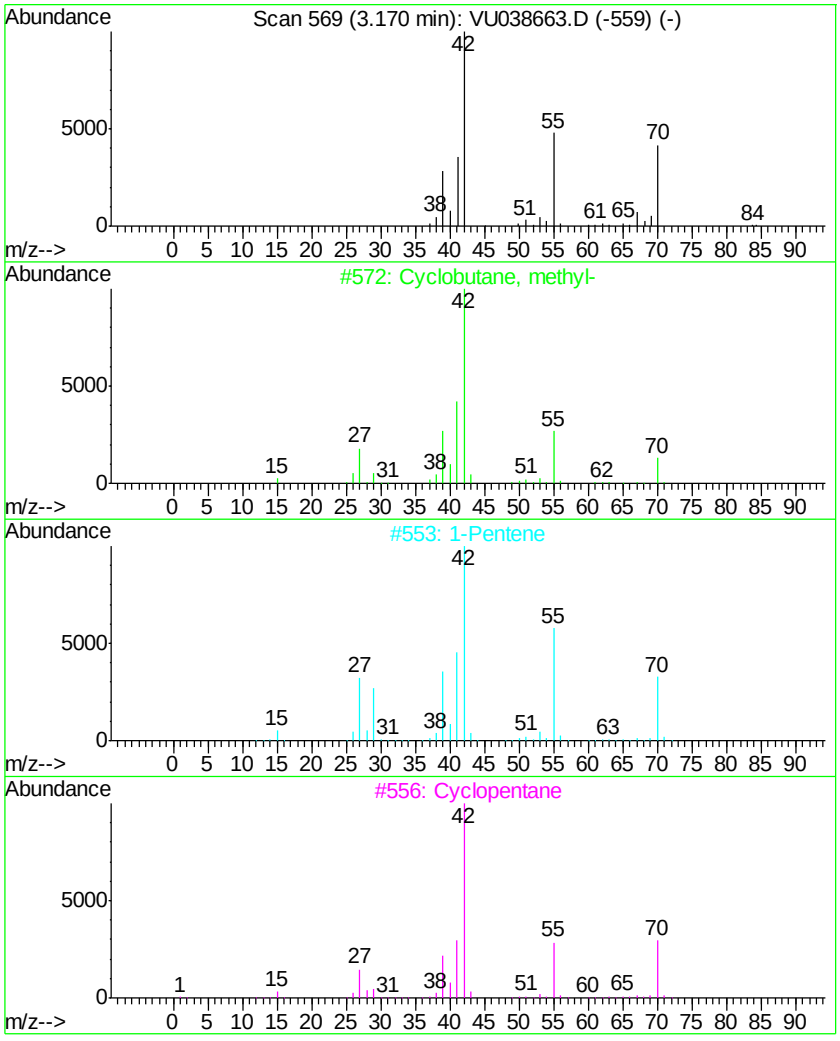
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

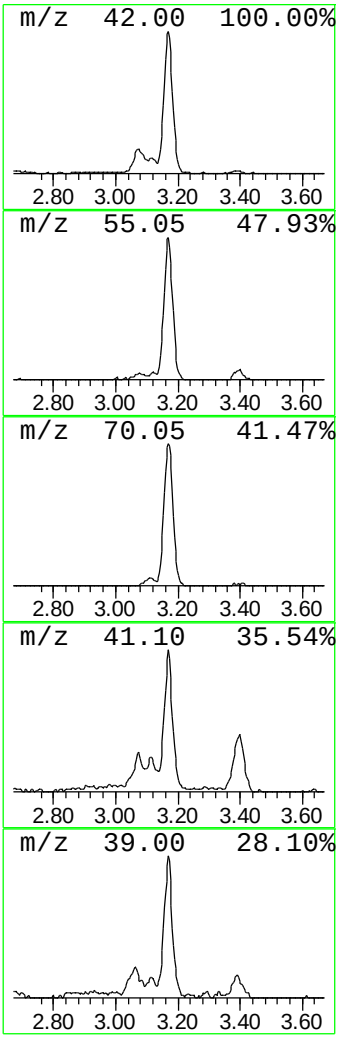
****

Peak Number 3 (DEL) Alkane: Cyclic3.17 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	0.71 ug/L	107406	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	86
2	1-Pentene	70	C5H10	000109-67-1	72
3	Cyclopentane	70	C5H10	000287-92-3	72
4	1-Pentene	70	C5H10	000109-67-1	64
5	Cyclopentane	70	C5H10	000287-92-3	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

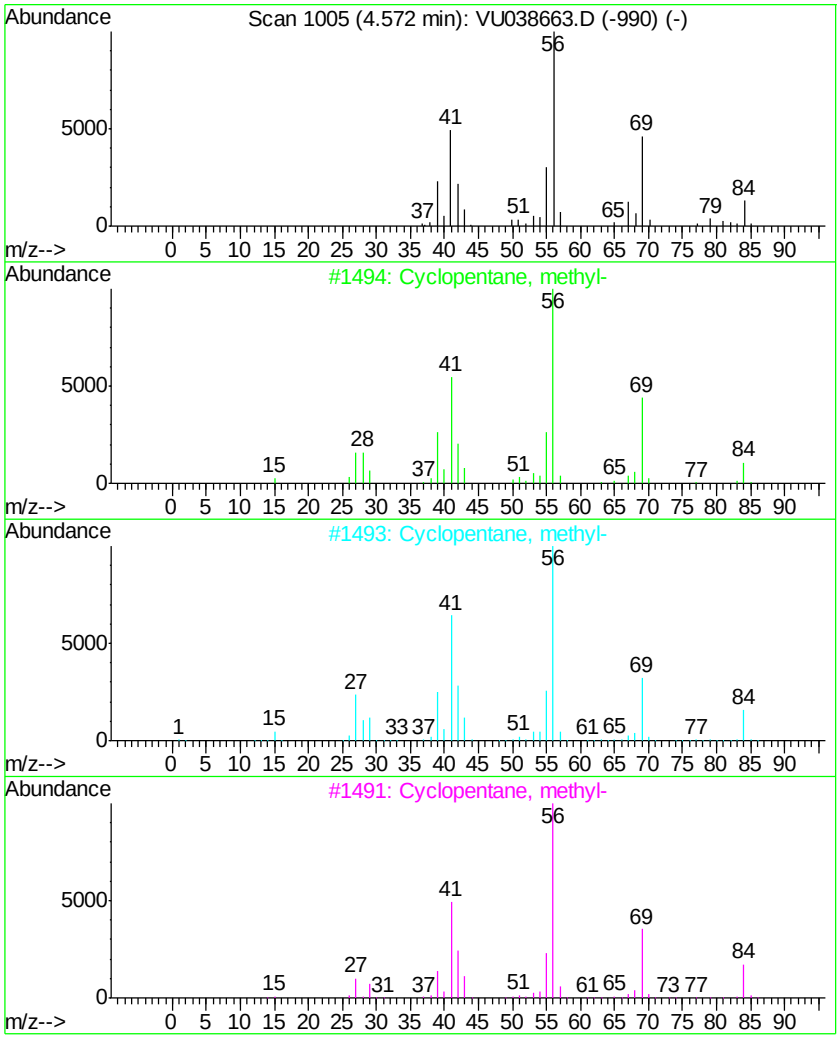
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

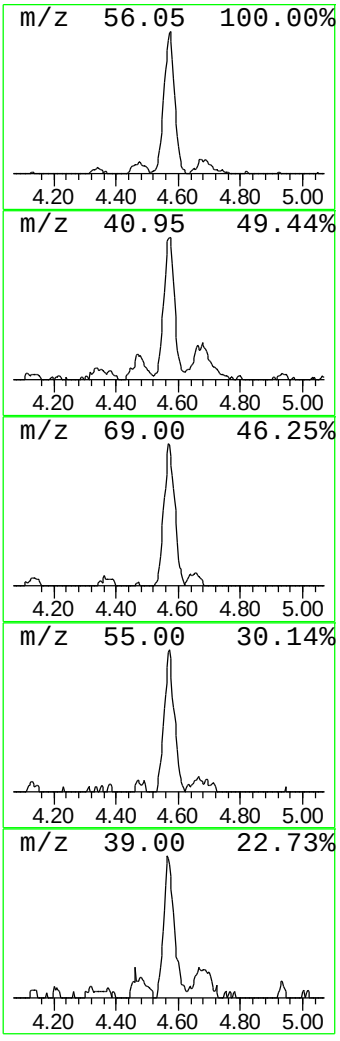
****

Peak Number 4 (DEL) Alkane: Cyclic4.57 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	0.63 ug/L	95843	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
4	Cyclohexane	84	C6H12	000110-82-7	72
5	Cyclohexane	84	C6H12	000110-82-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

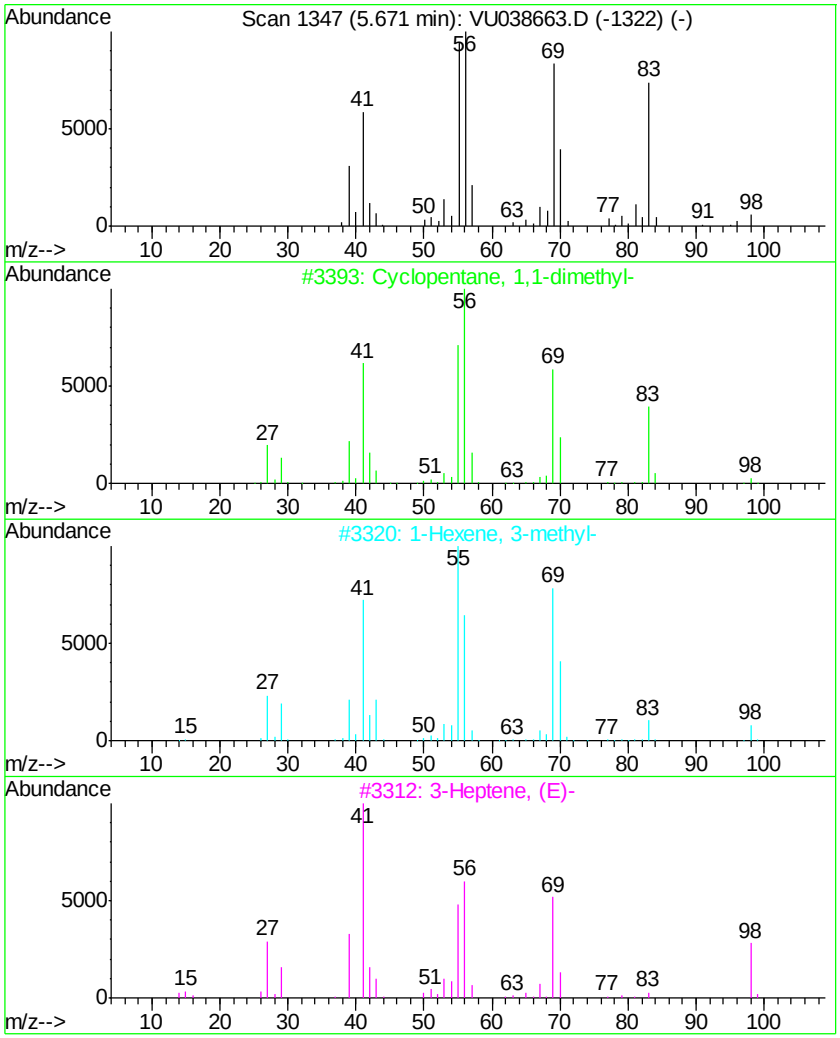
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

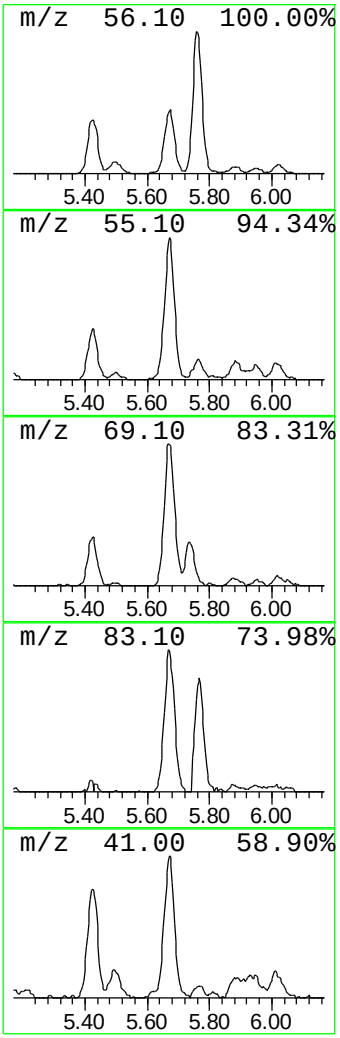
****

Peak Number 5 (DEL) Alkane: Cyclic5.67 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.67	1.45 ug/L	220625	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	90
2	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	47
3	3-Heptene, (E)-	98	C7H14	014686-14-7	47
4	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	38
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38





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Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

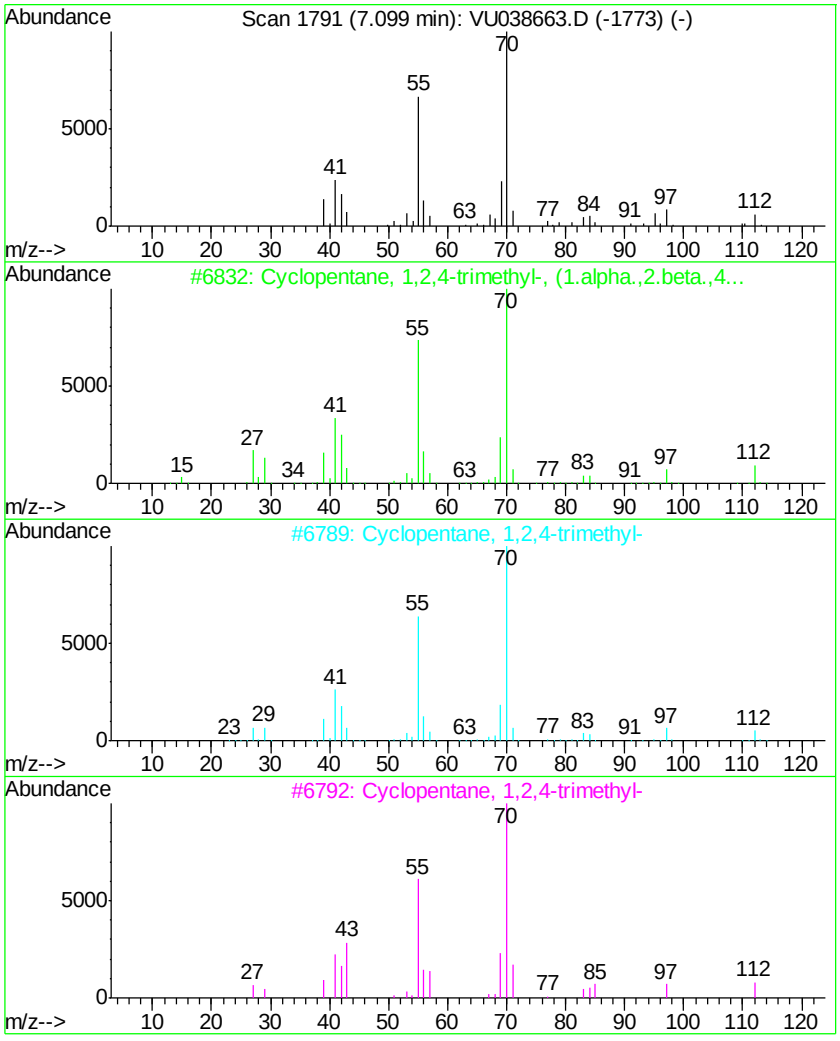
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

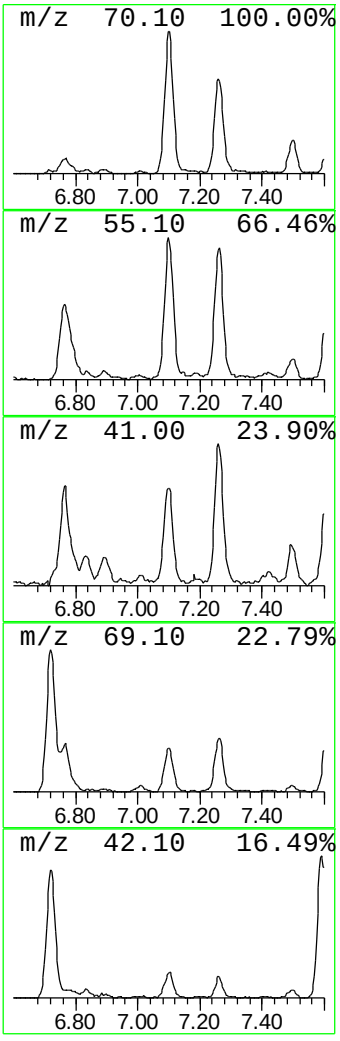
****

Peak Number 6 (DEL) Alkane: Cyclic7.10 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	1.15 ug/L	173752	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	90
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	87
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	86





Library Search Compound Report

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Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

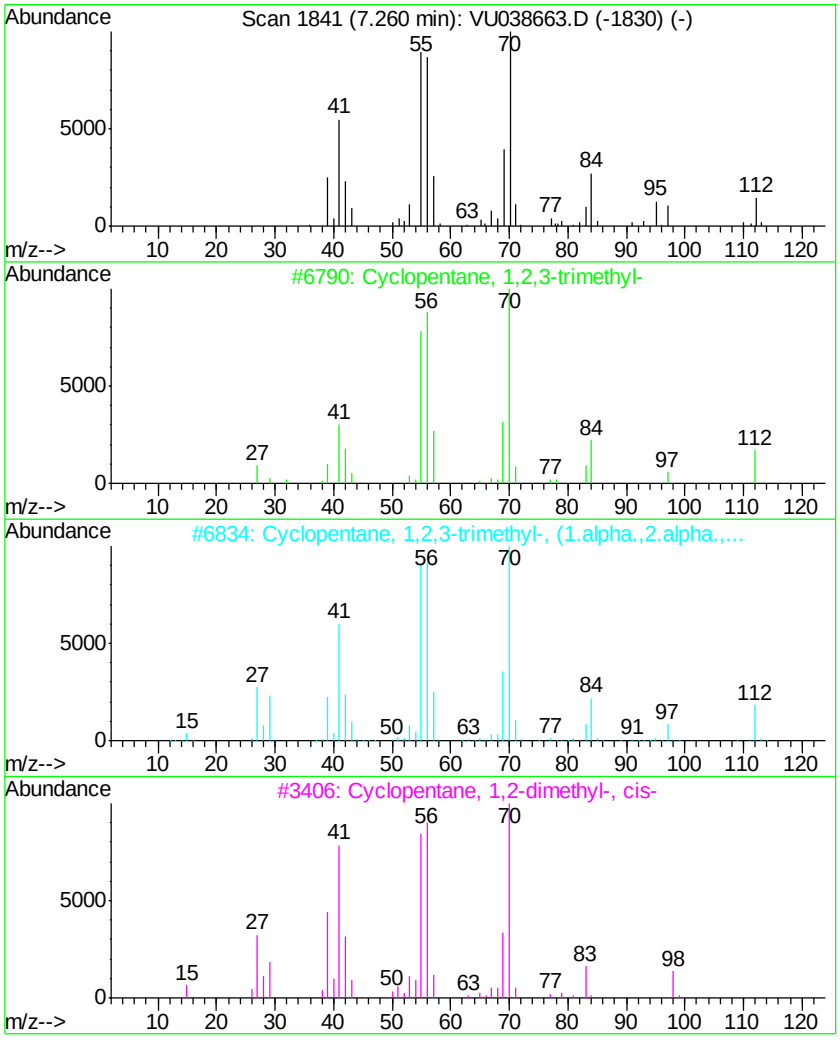
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

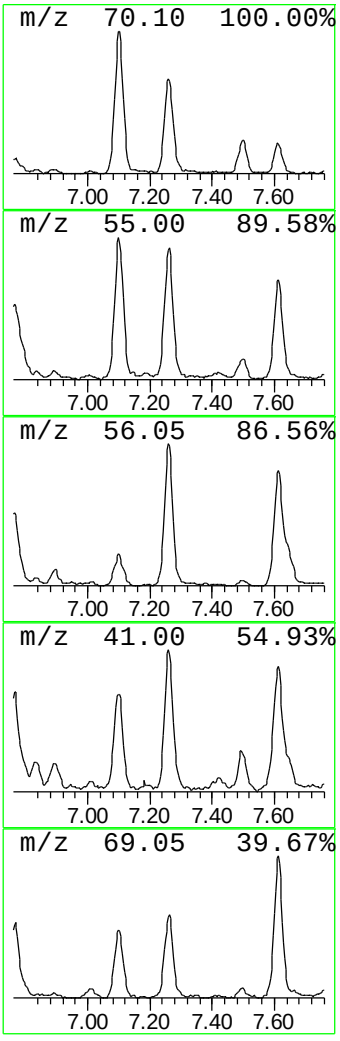
****

Peak Number 7 (DEL) Alkane: Cyclic7.26 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	1.28 ug/L	193630	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	94
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	52
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	49





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Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

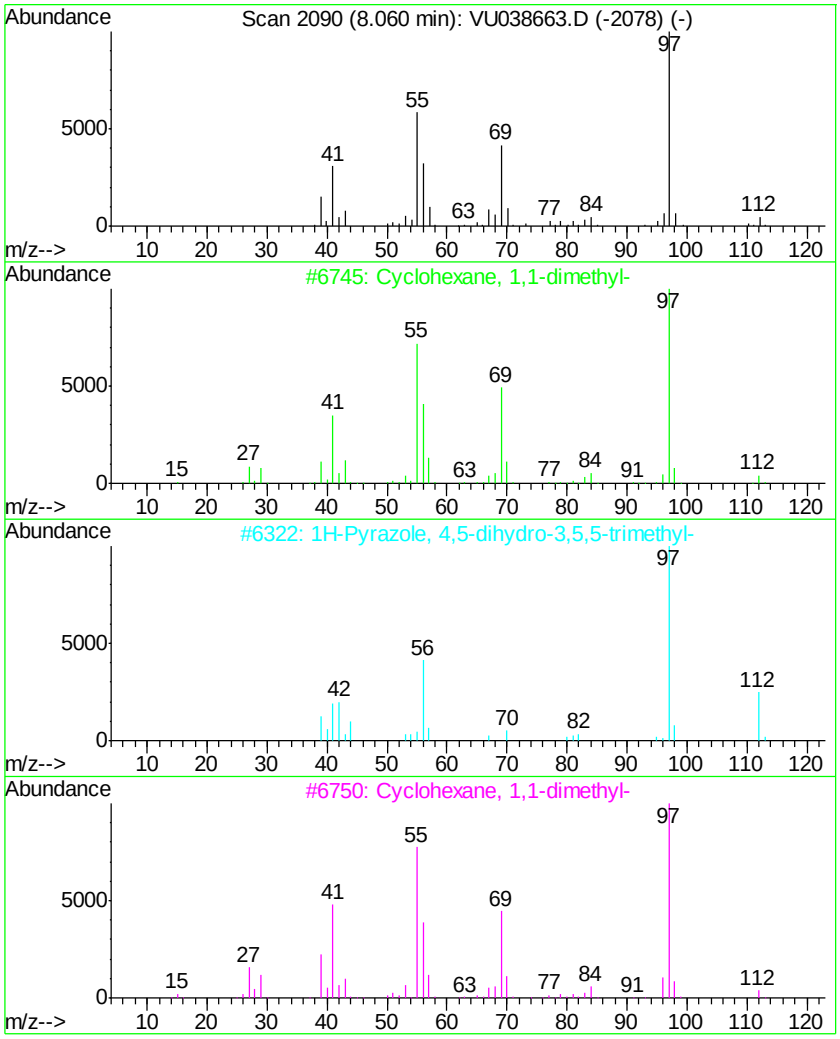
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

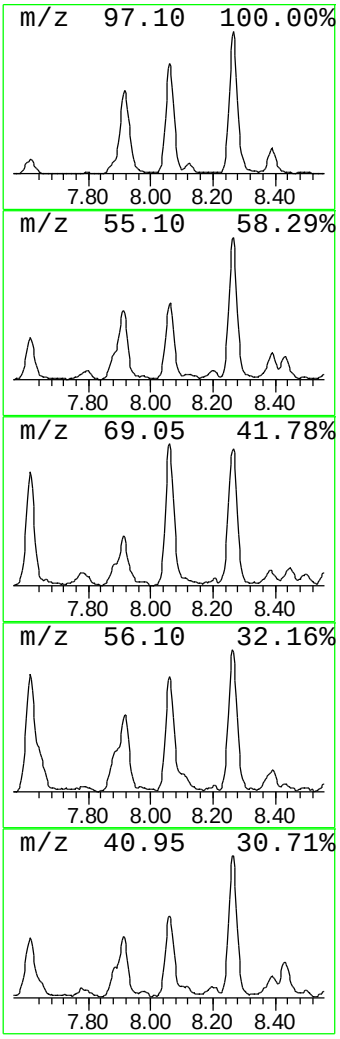
****

Peak Number 9 (DEL) Alkane: Cyclic8.06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	1.37 ug/L	251432	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	1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	80
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	76
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	76
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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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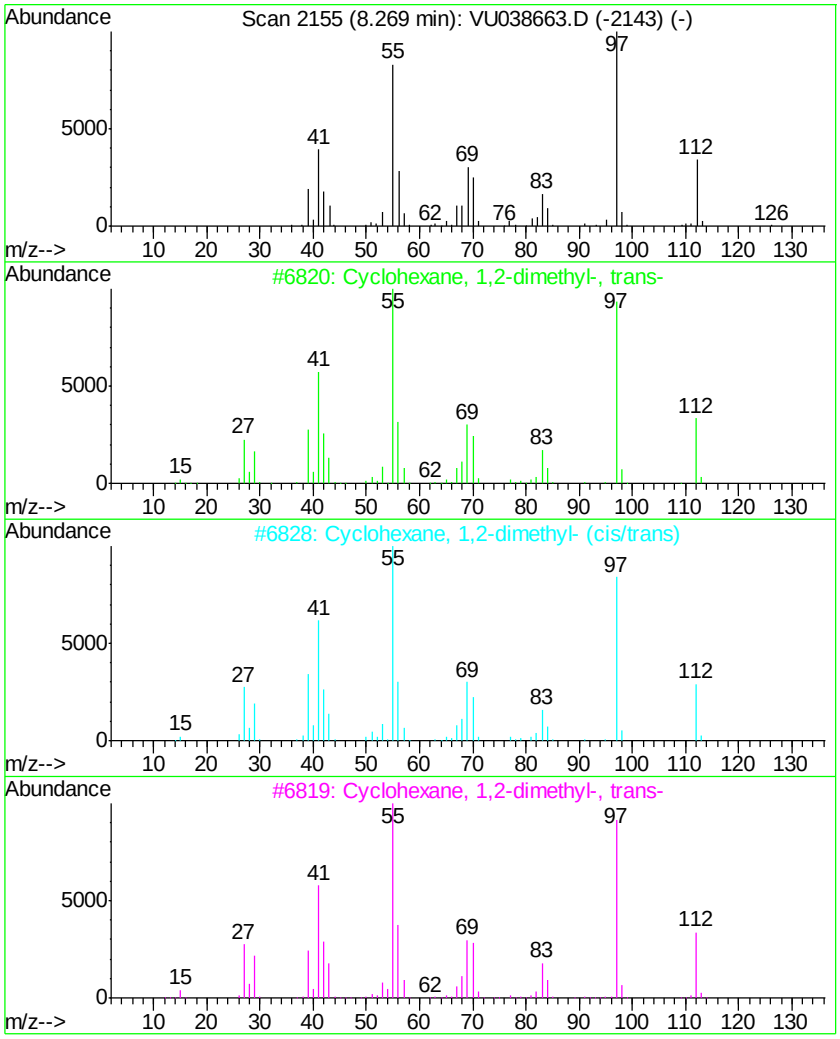
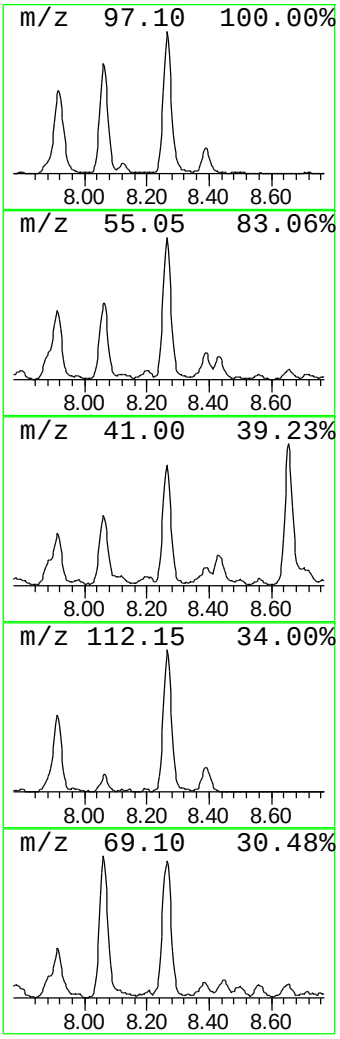
Peak Number 10 (DEL) Alkane: Cyclic8.27 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	2.36 ug/L	434004	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- (cis/...	112	C8H16	000583-57-3	95
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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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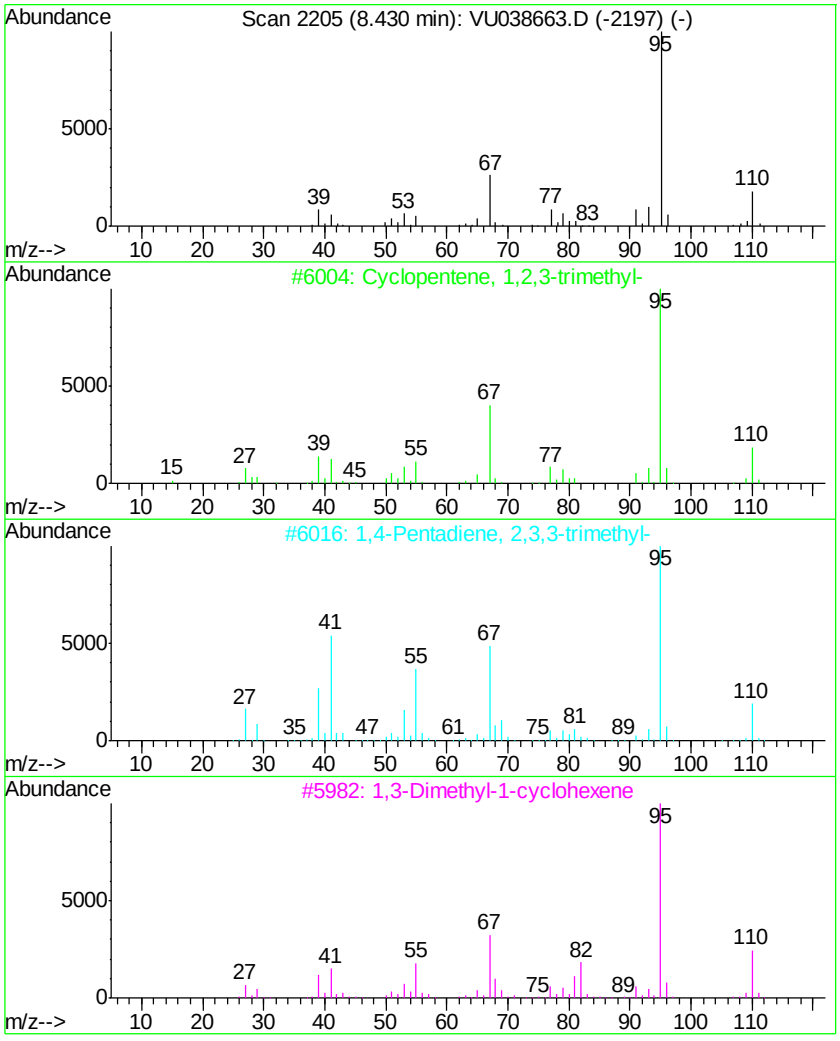
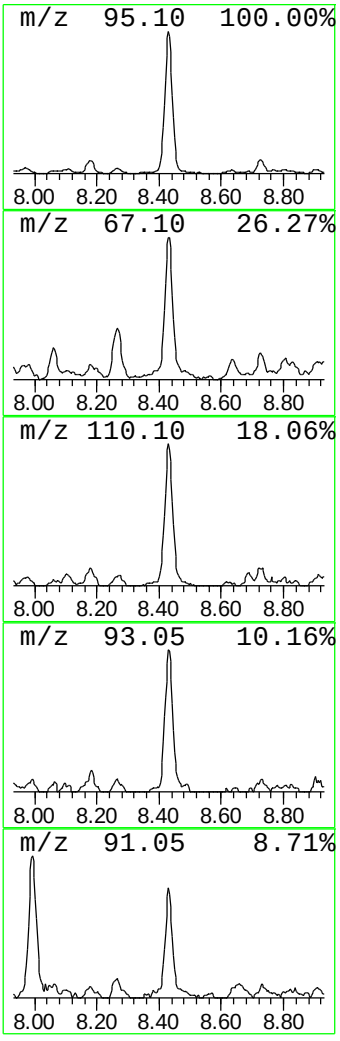
Peak Number 11 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	1.11 ug/L	204710	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	90
2	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	78
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	64
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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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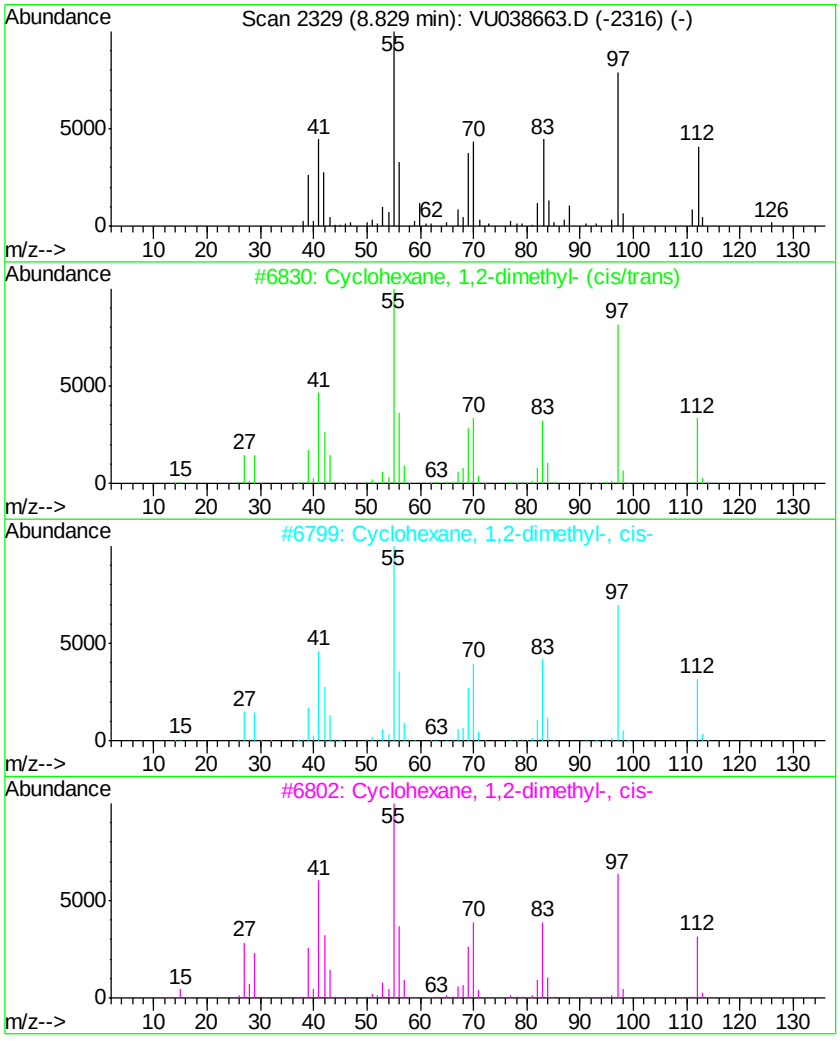
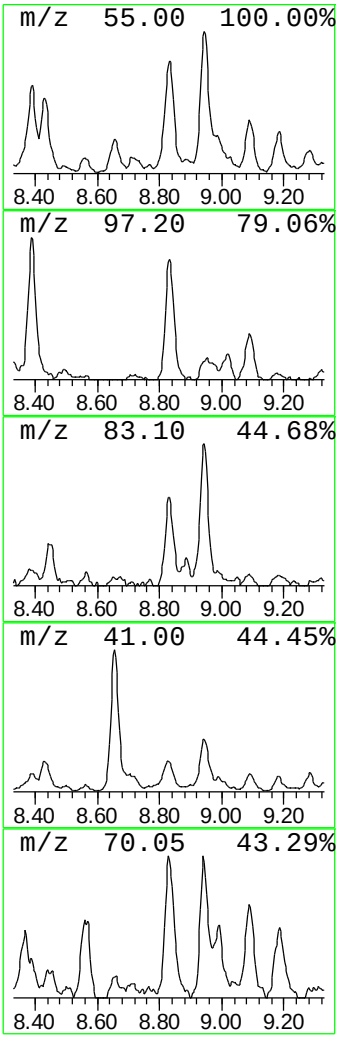
Peak Number 12 (DEL) Alkane: Cyclic8.83 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	0.64 ug/L	118695	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	93
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	93
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	90
4	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	76





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Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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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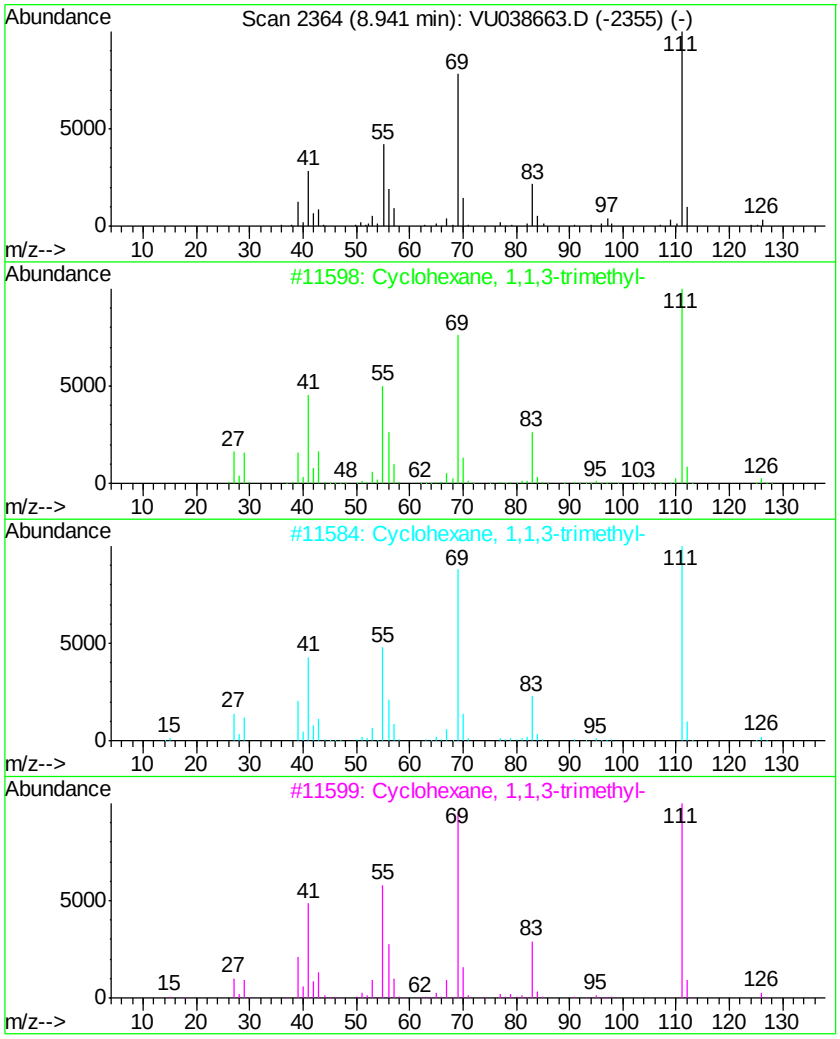
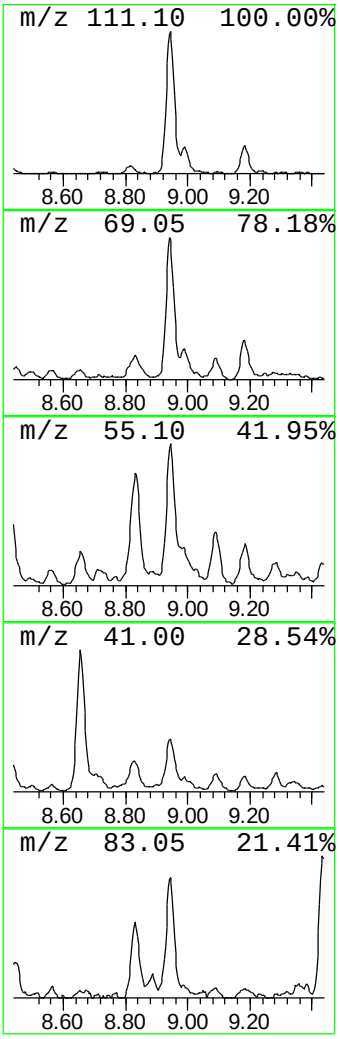
Peak Number 13 (DEL) Alkane: Cyclic8.94 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	0.96 ug/L	175894	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
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	81
5	2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	64





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Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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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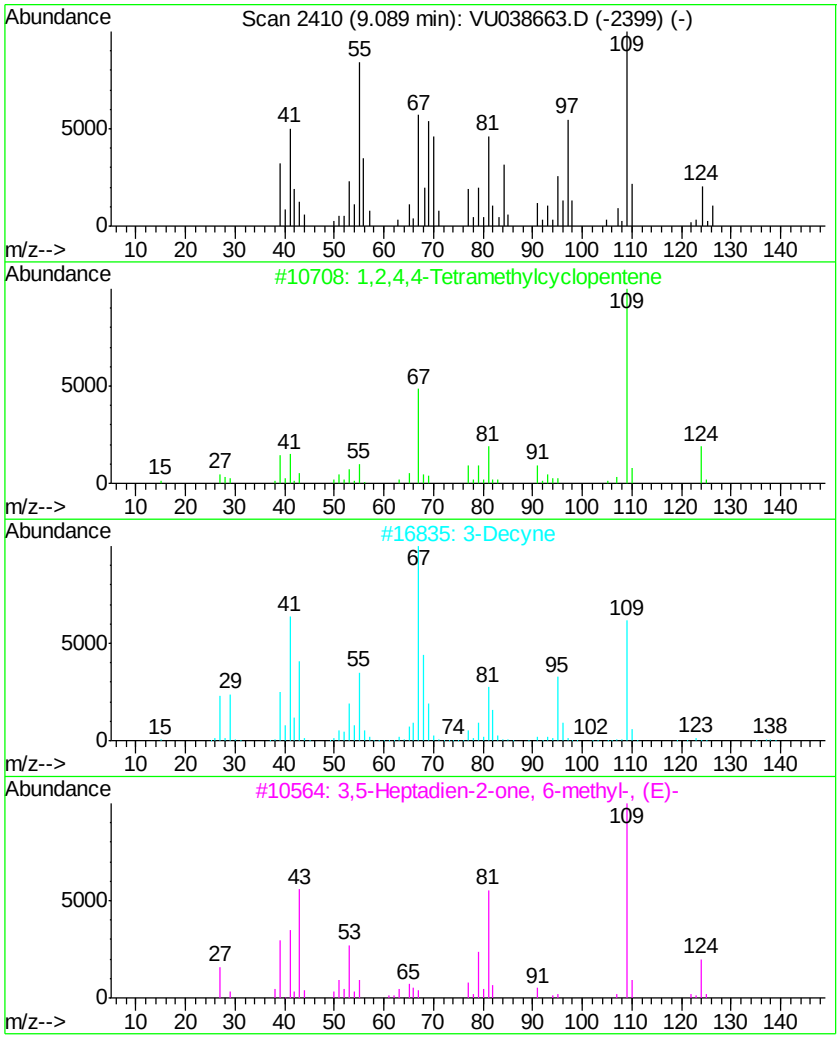
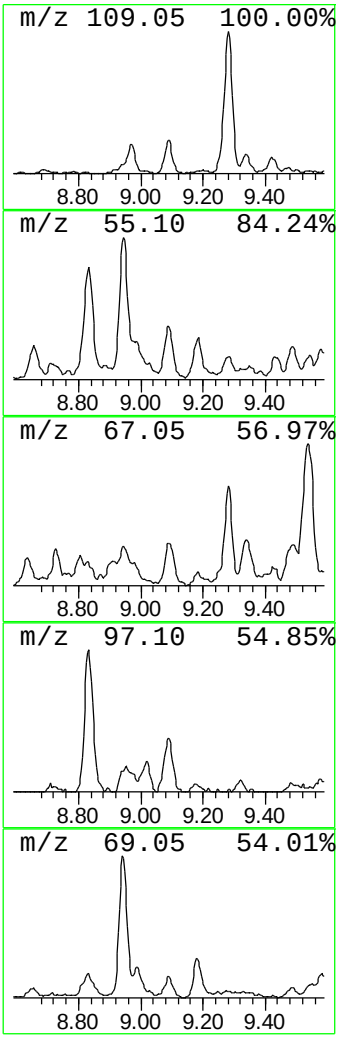
Peak Number 14 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	0.52 ug/L	95057	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	43
2	3-Decyne	138	C10H18	002384-85-2	35
3	3,5-Heptadien-2-one, 6-methyl-, ...	124	C8H12O	016647-04-4	30
4	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	27
5	4-Octyne	110	C8H14	001942-45-6	25





Library Search Compound Report

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Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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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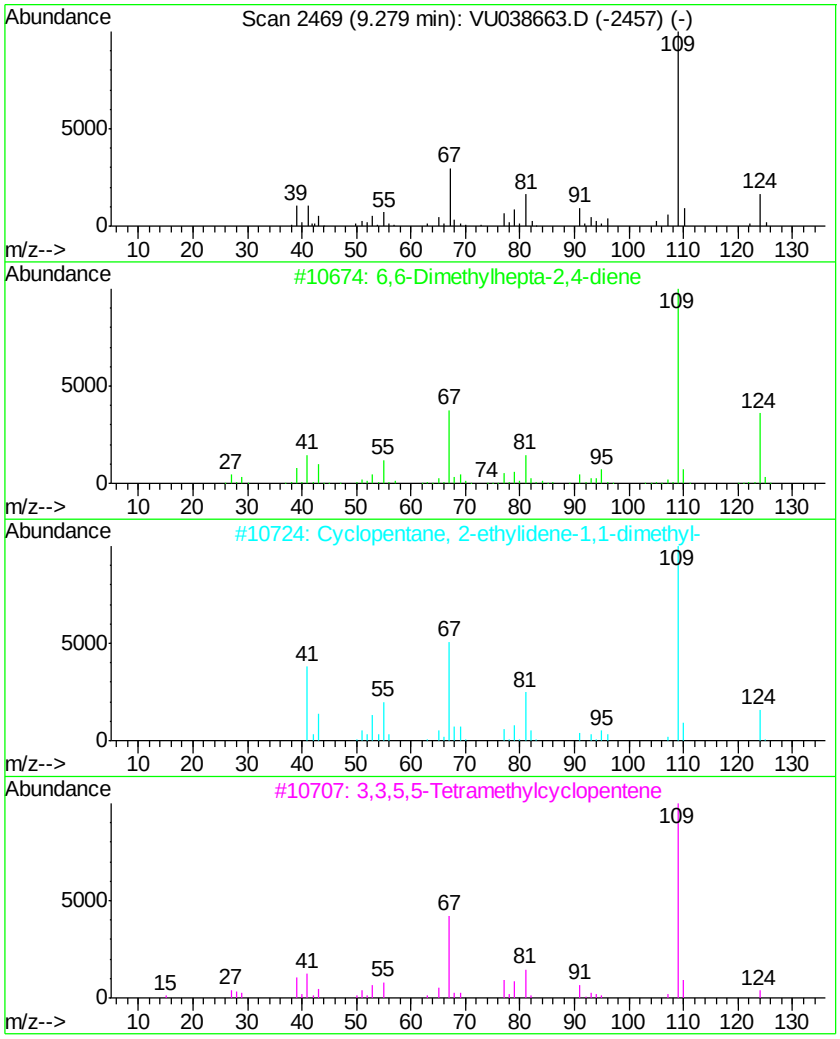
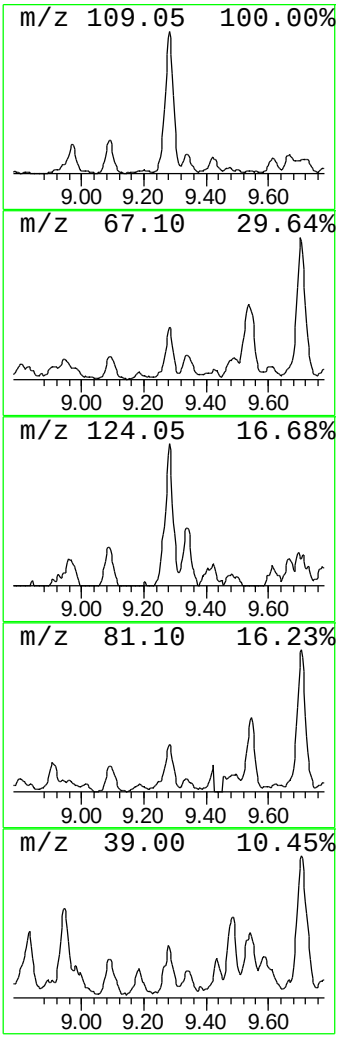
Peak Number 15 6,6-Dimethylhepta-2,4-diene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	0.58 ug/L	106773	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	86
2	Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	78
3	3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	72
4	1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	72
5	2,5-Dimethylhex-5-en-3-yn-2-ol	124	C8H12O	1000302-74-9	64





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Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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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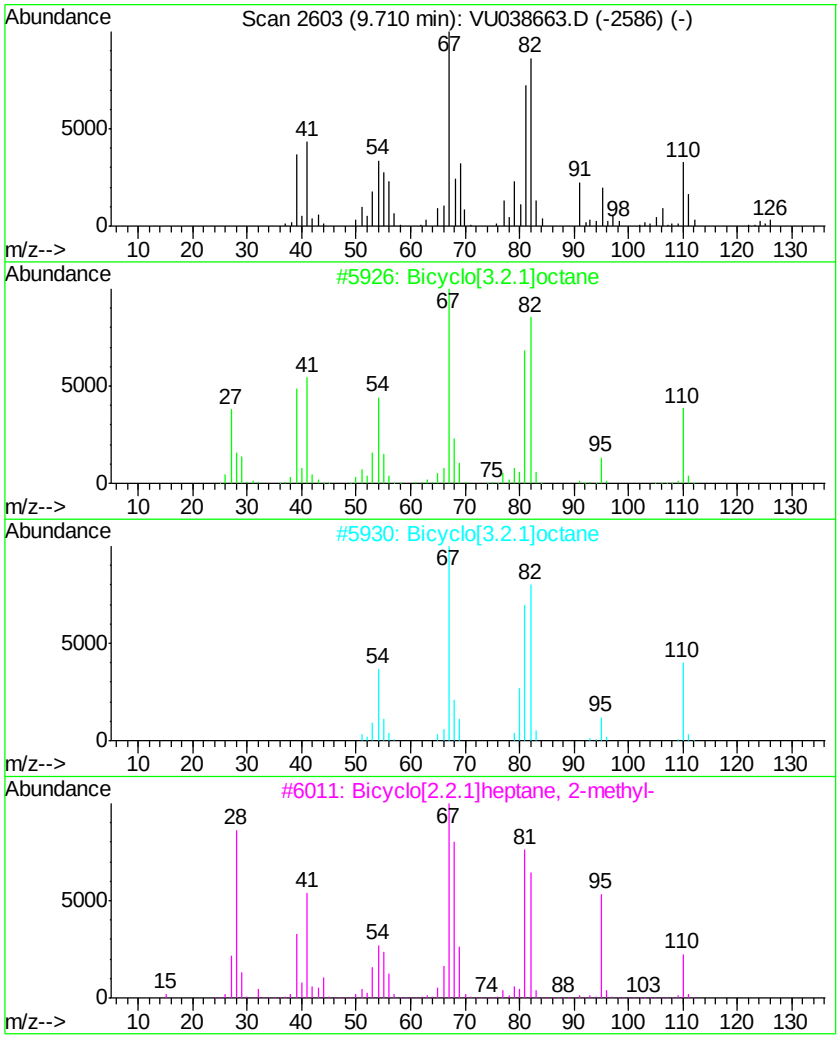
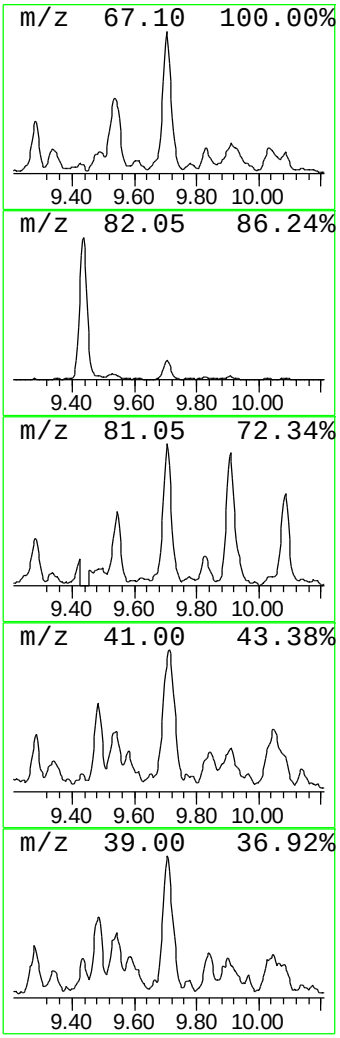
Peak Number 16 Bicyclo[3.2.1]octane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	1.60 ug/L	294938	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	87
2	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	72
3	Bicyclo[2.2.1]heptane, 2-methyl-	110	C8H14	015185-11-2	64
4	4-Octyne	110	C8H14	001942-45-6	64
5	Cyclooctene, (Z)-	110	C8H14	000931-87-3	59





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Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

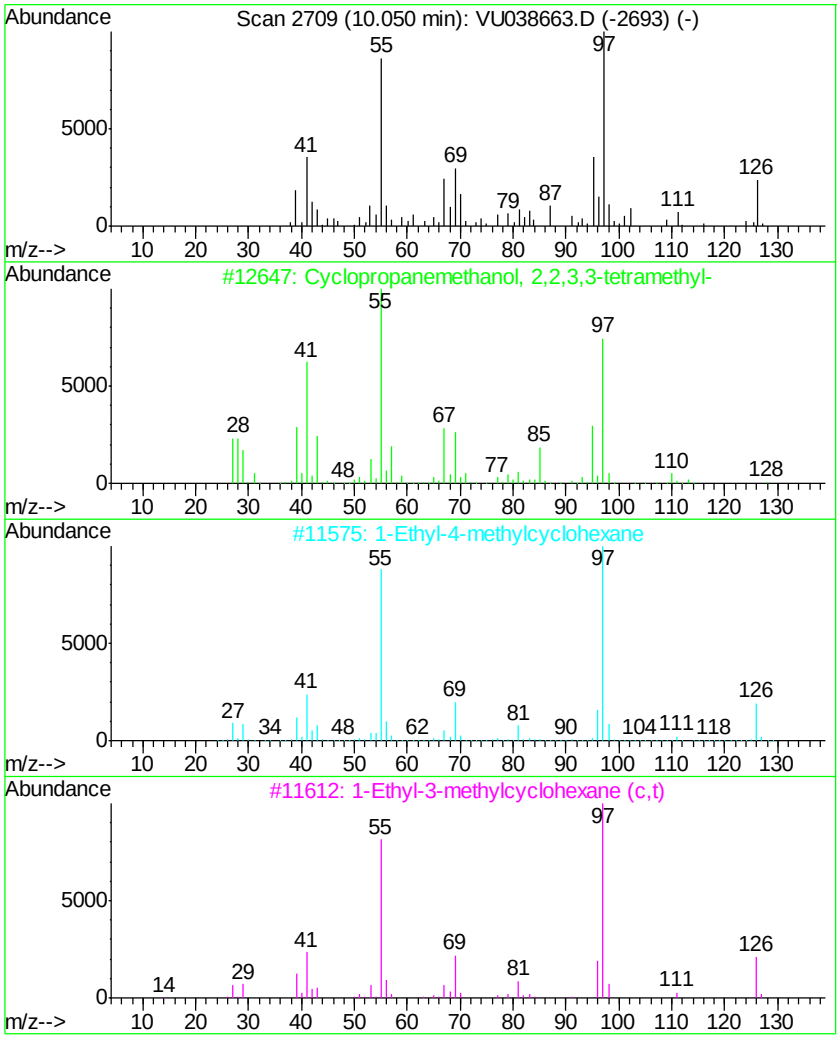
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

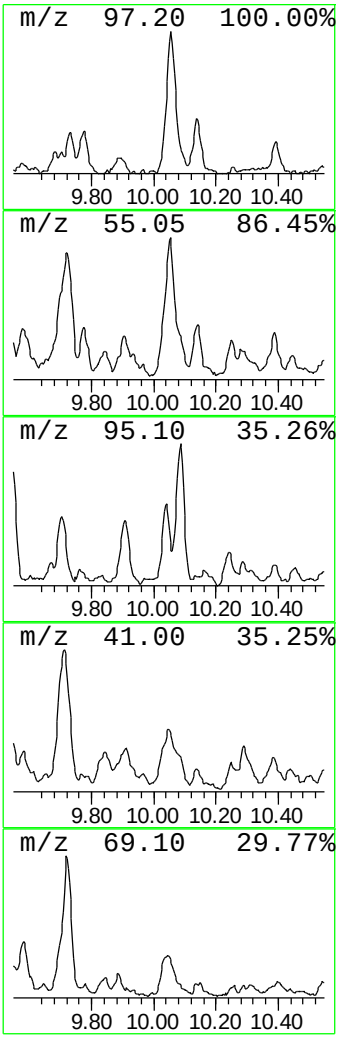
****

Peak Number 17 Cyclopropanemethanol, 2,2,3... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	0.74 ug/L	135321	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	59
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	52
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	52
4	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	52
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

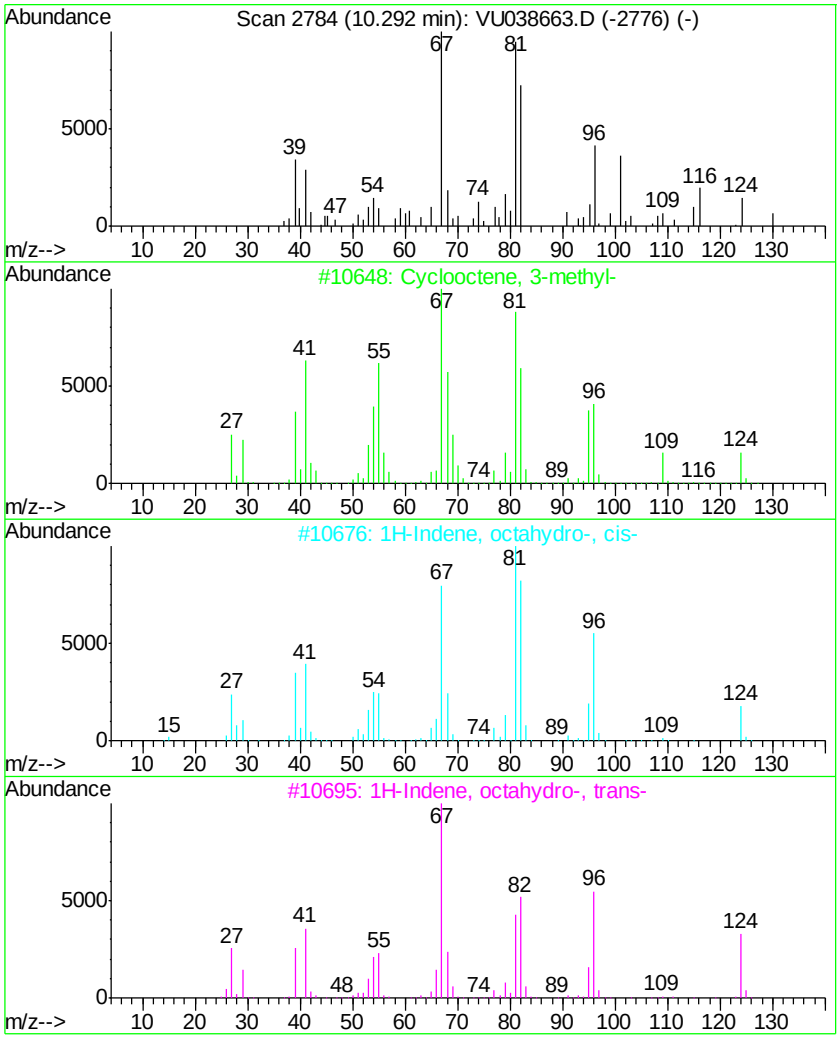
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

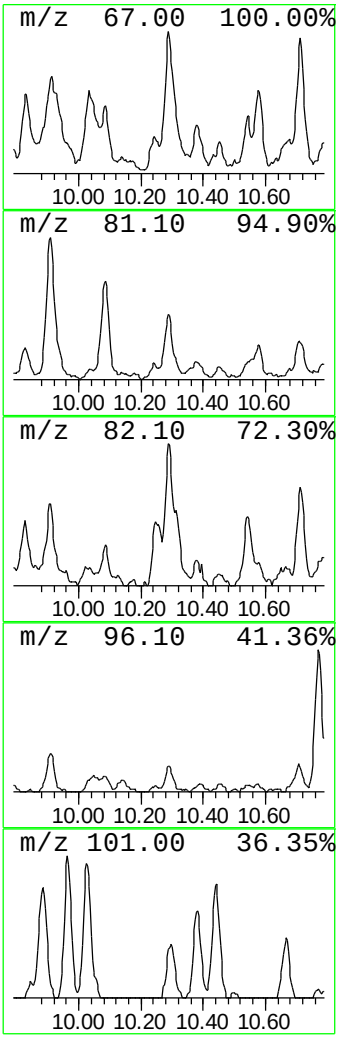
****

Peak Number 18 Cyclooctene, 3-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	0.51 ug/L	93778	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	72
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	62
3	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	47
4	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	43
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

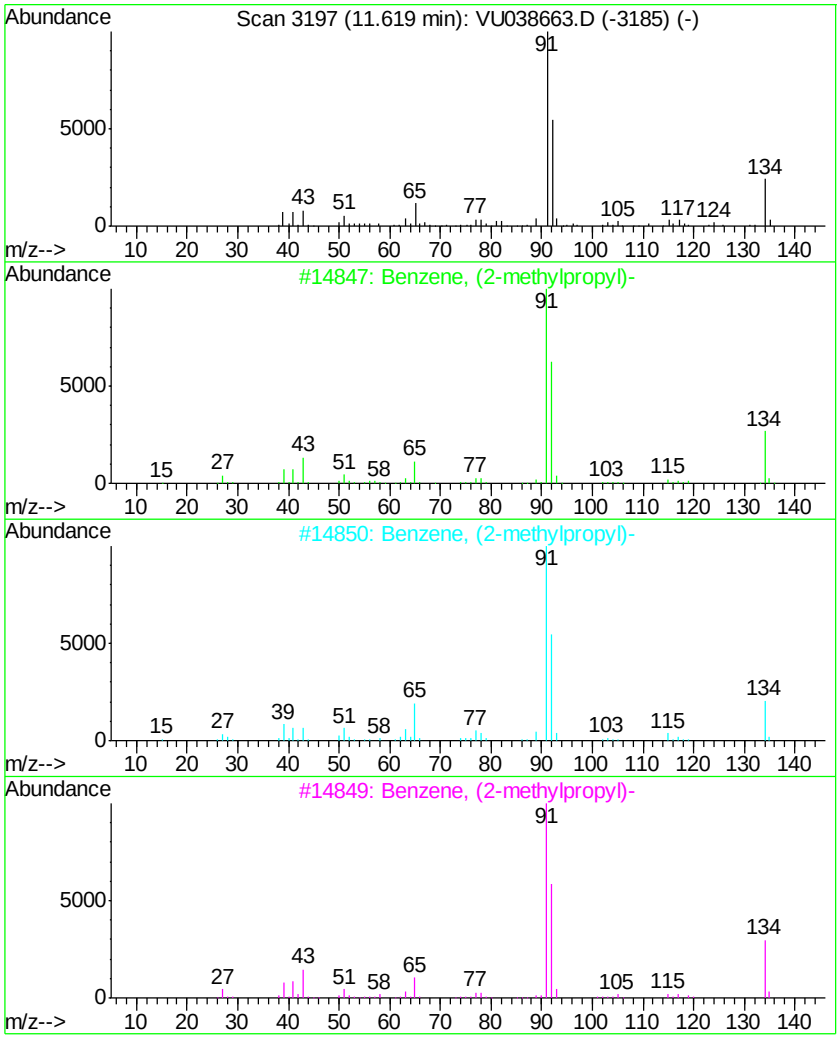
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

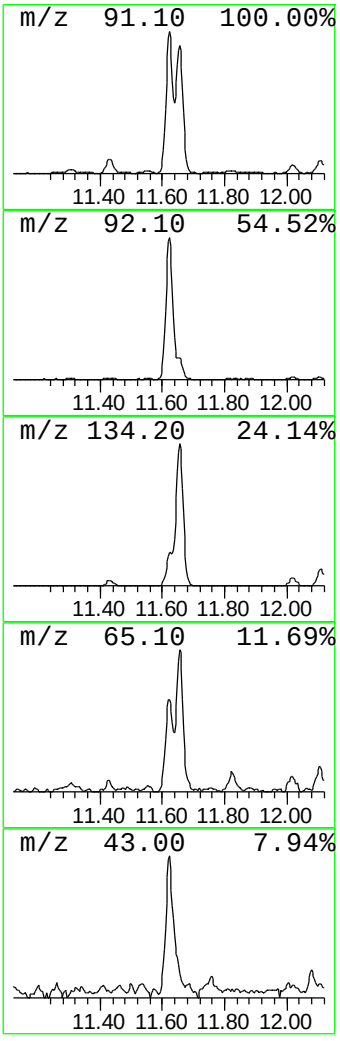
****

Peak Number 19 Benzene, (2-methylpropyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	1.02 ug/L	206814	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	91
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	86





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Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

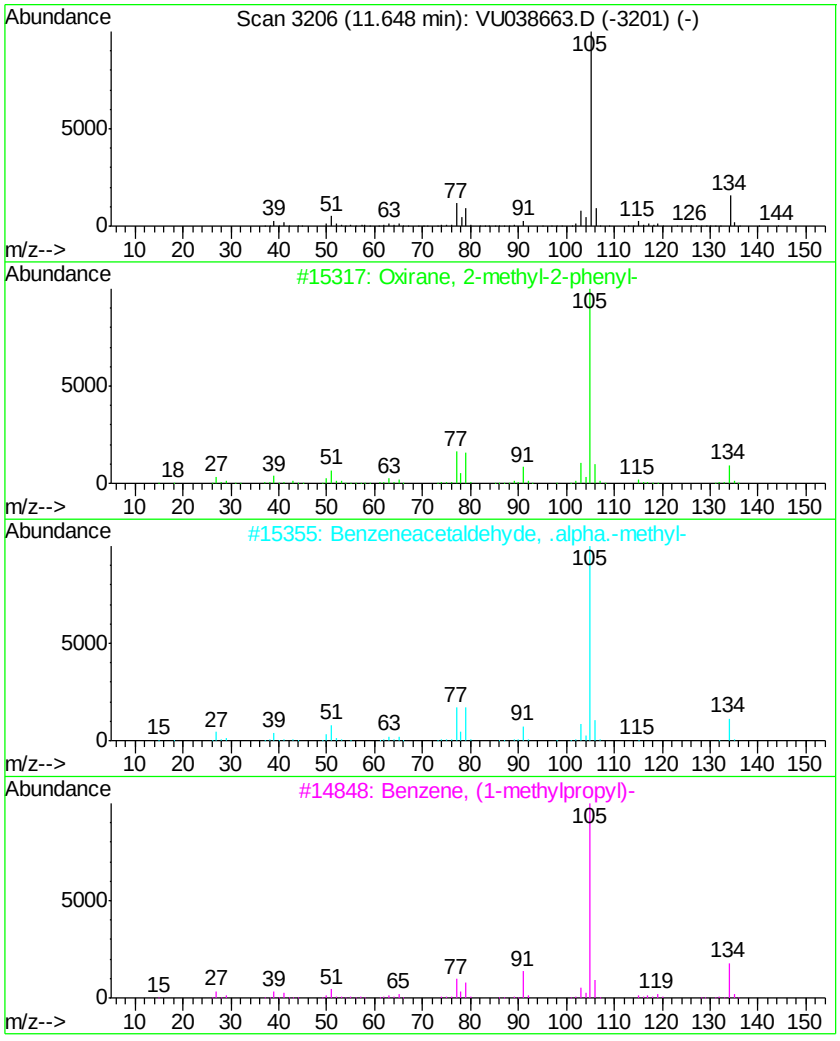
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

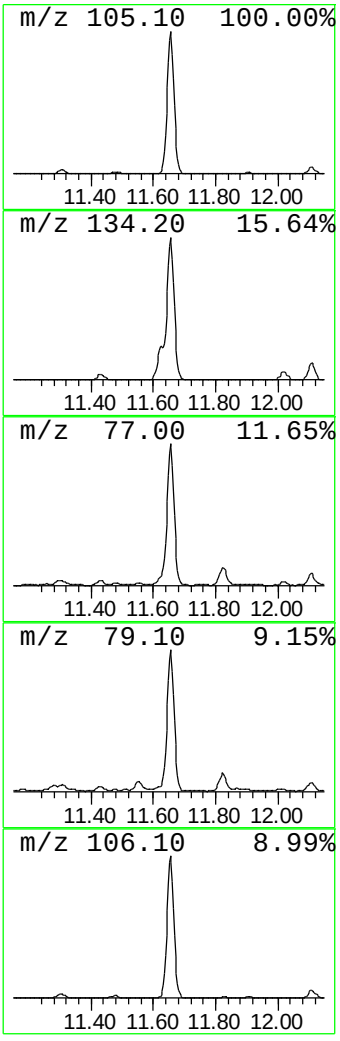
****

Peak Number 20 Oxirane, 2-methyl-2-phenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	5.58 ug/L	1135250	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	90
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86





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Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

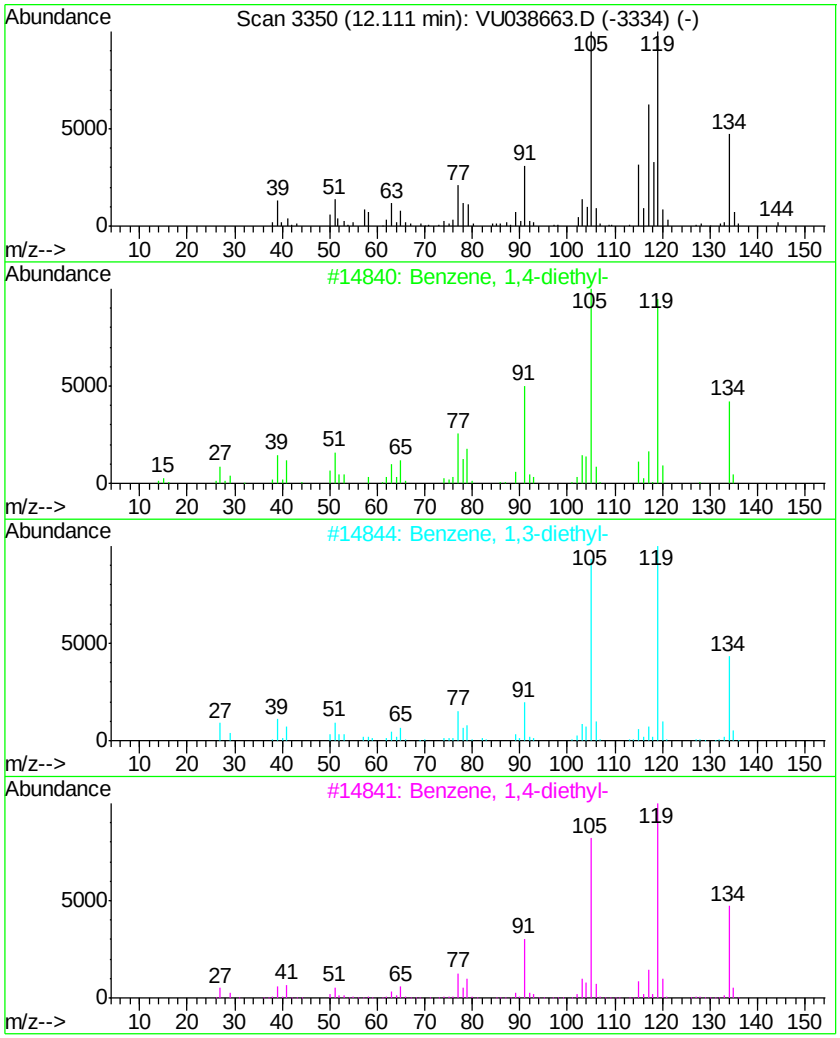
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

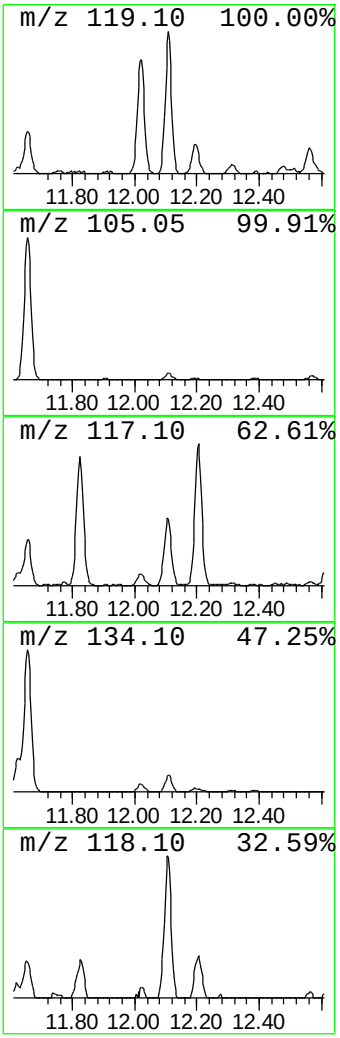
****

Peak Number 21 Benzene, 1,4-diethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	0.80 ug/L	163364	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	70
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	70
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	70
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	70
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

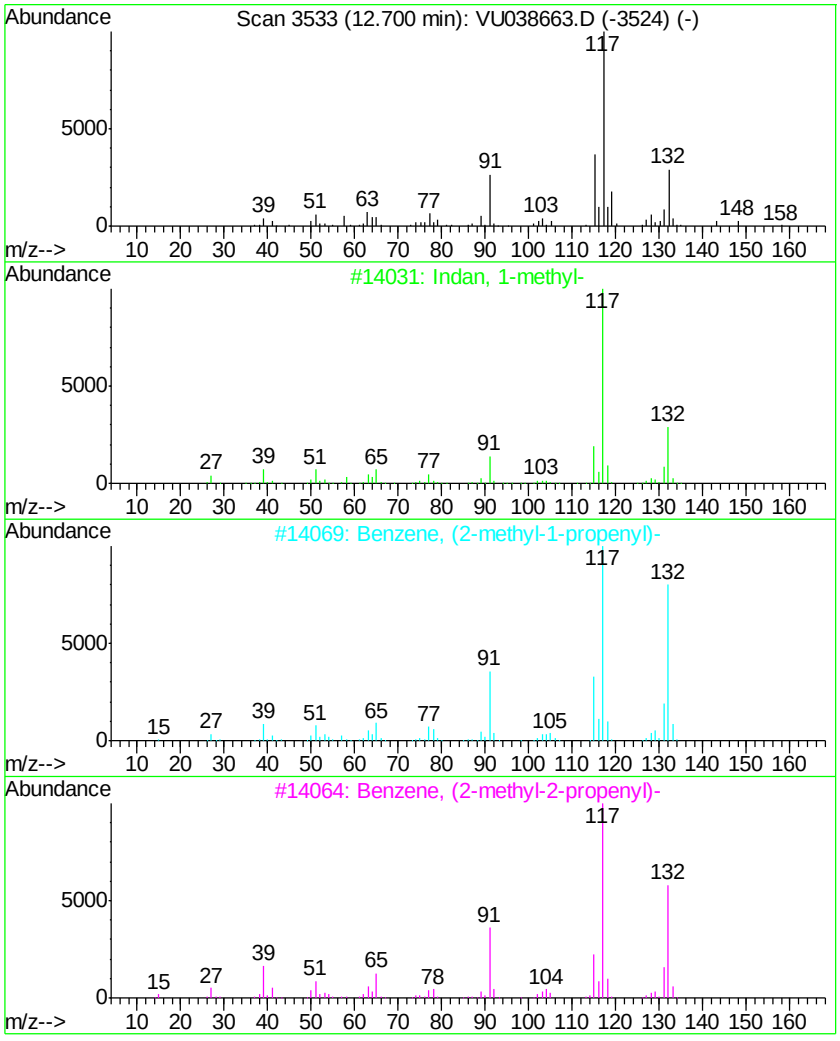
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

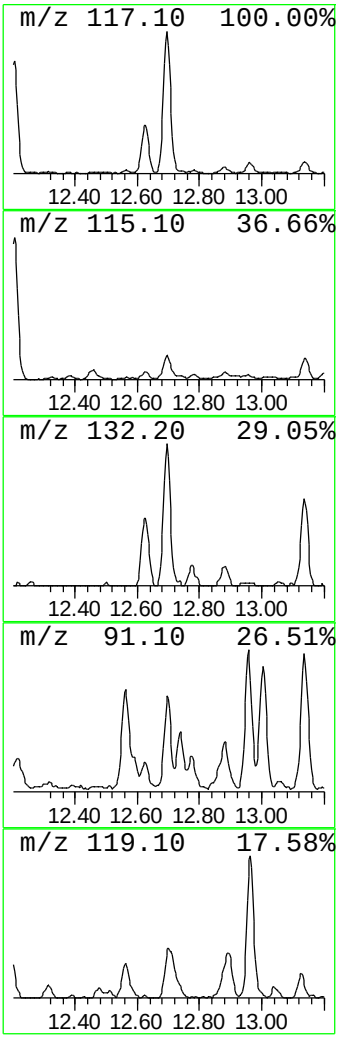
****

Peak Number 22 Indan, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	0.76 ug/L	155568	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

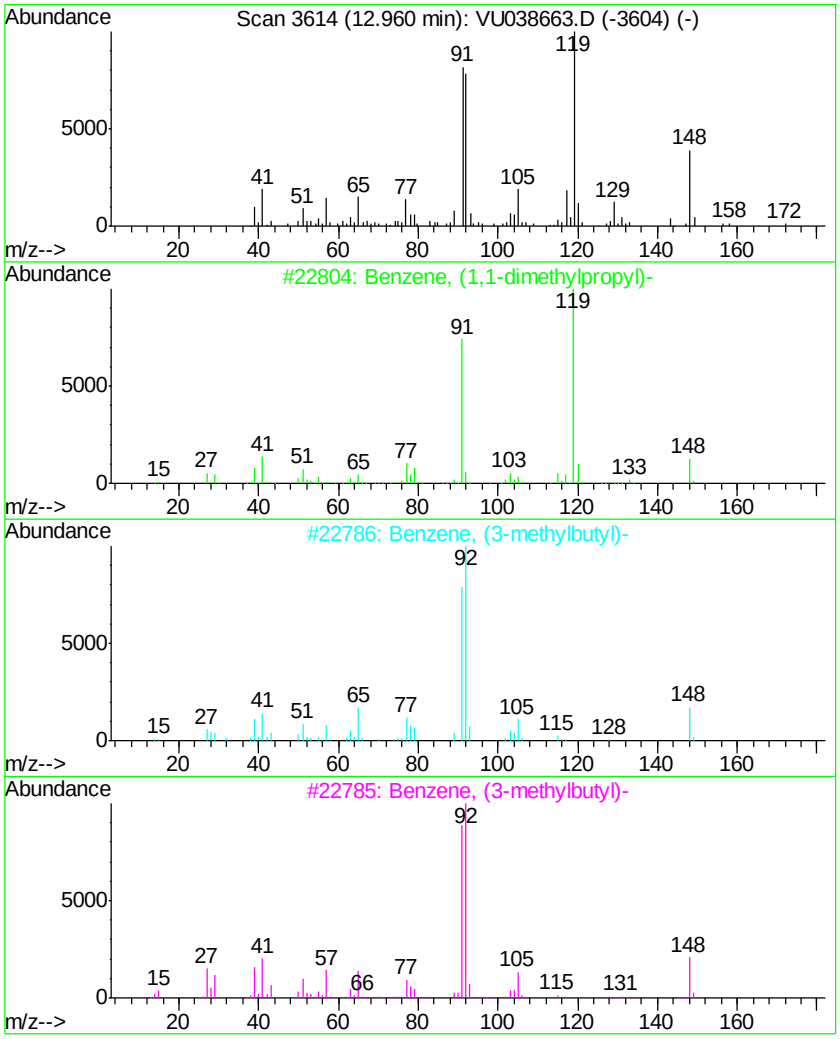
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

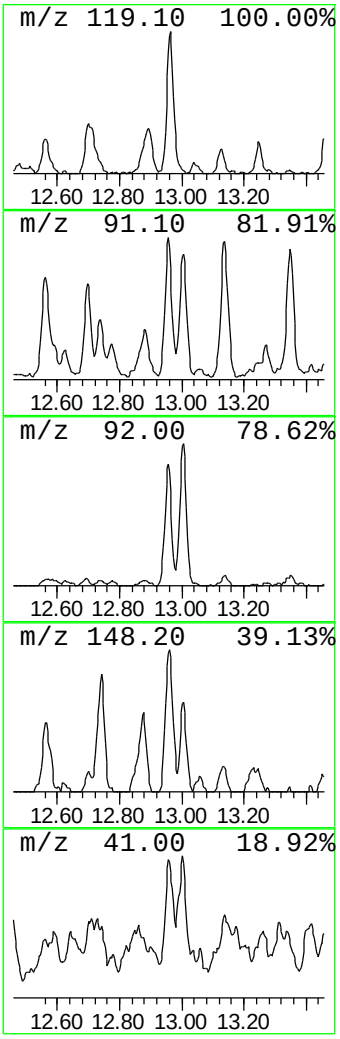
****

Peak Number 23 Benzene, (1,1-dimethylpropyl)- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	0.55 ug/L	111101	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	60
2	Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	55
3	Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	55
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	55
5	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

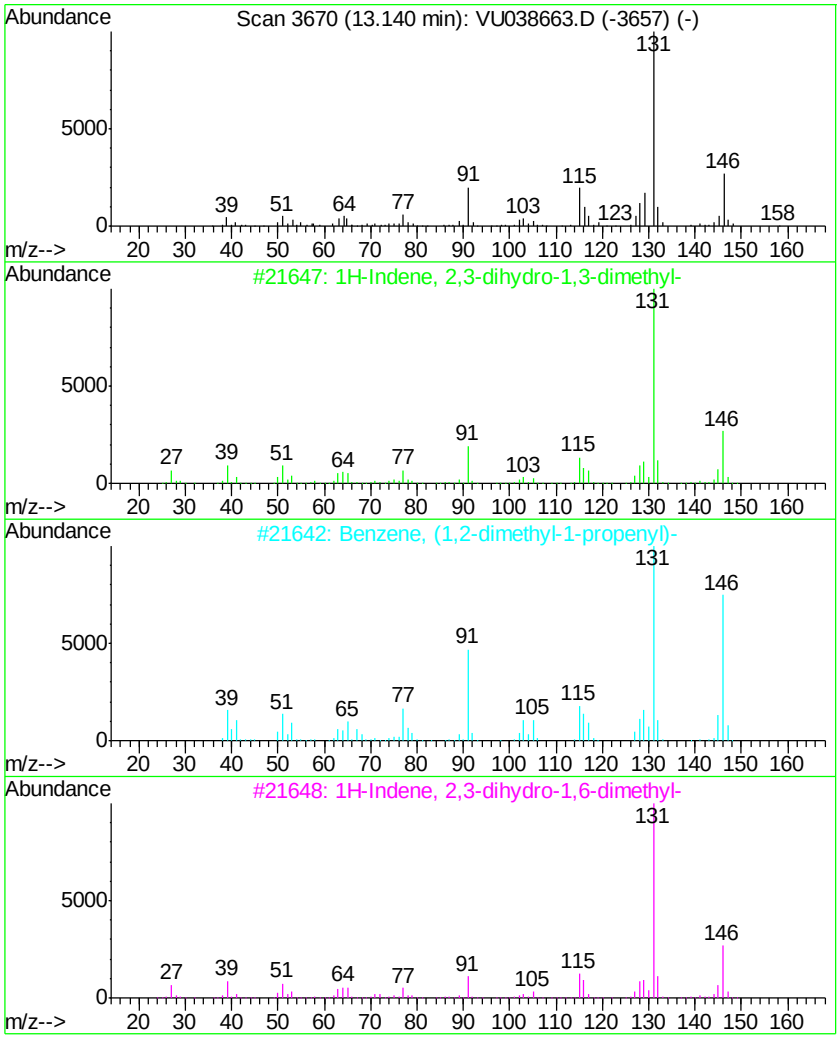
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

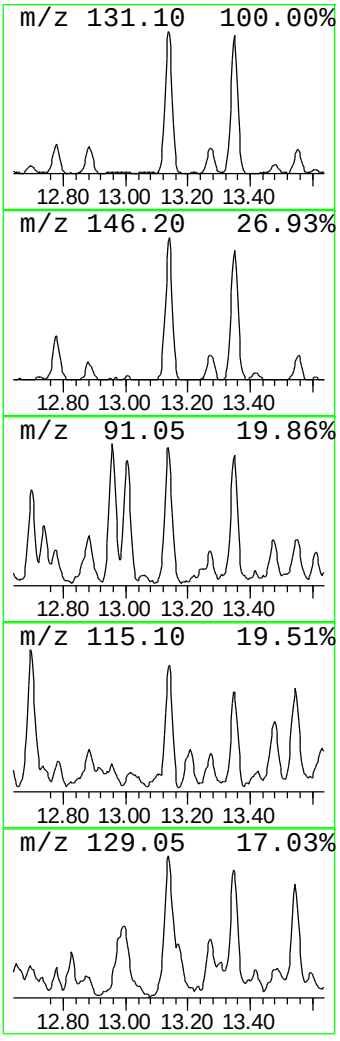
****

Peak Number 24 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	1.27 ug/L	258834	1,4-Dichlorobenzene-d4	11.83

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	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

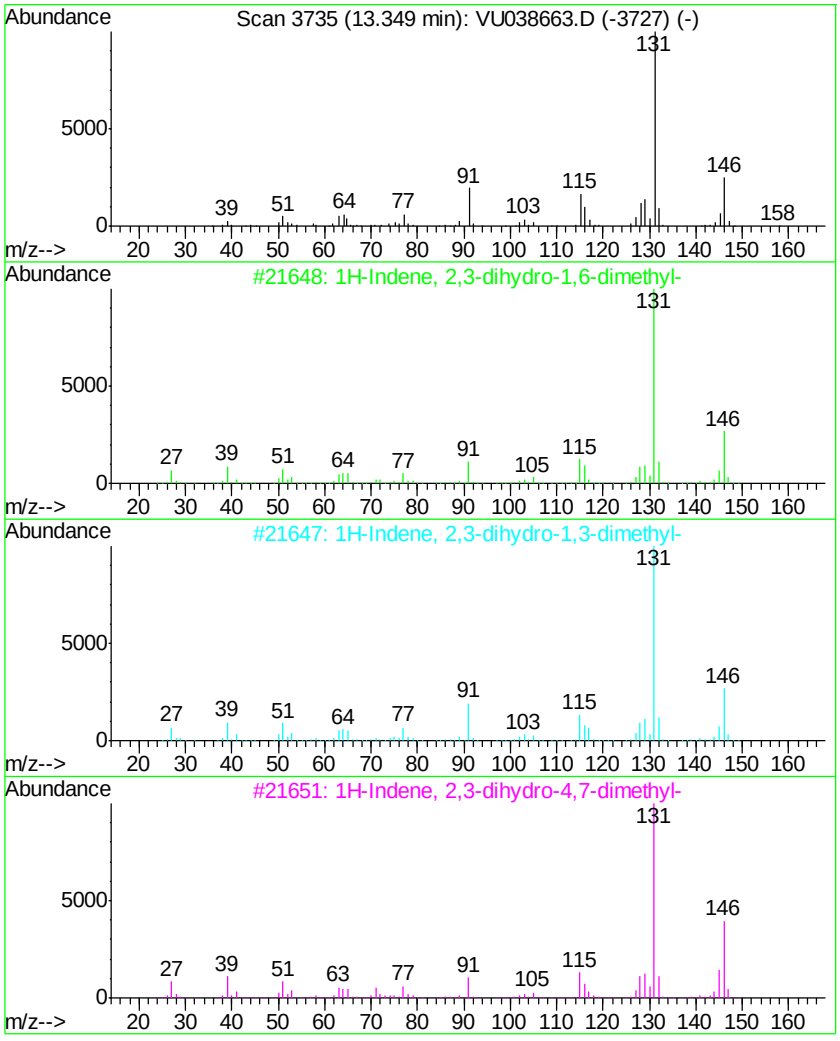
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

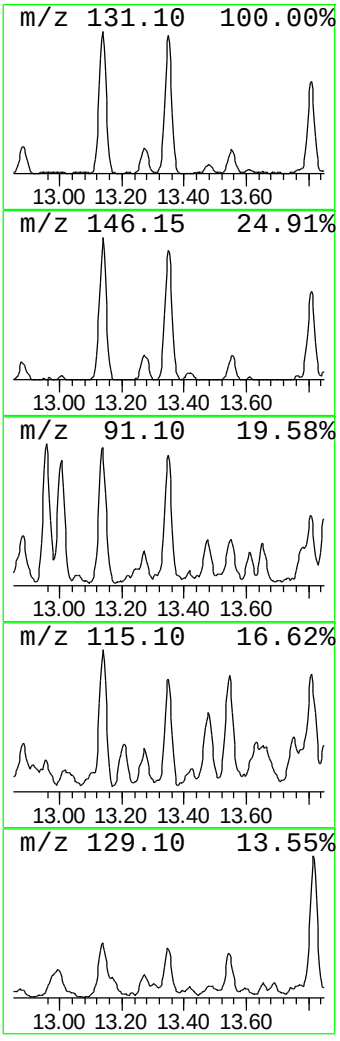
****

Peak Number 25 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	1.04 ug/L	212314	1,4-Dichlorobenzene-d4	11.83

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	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

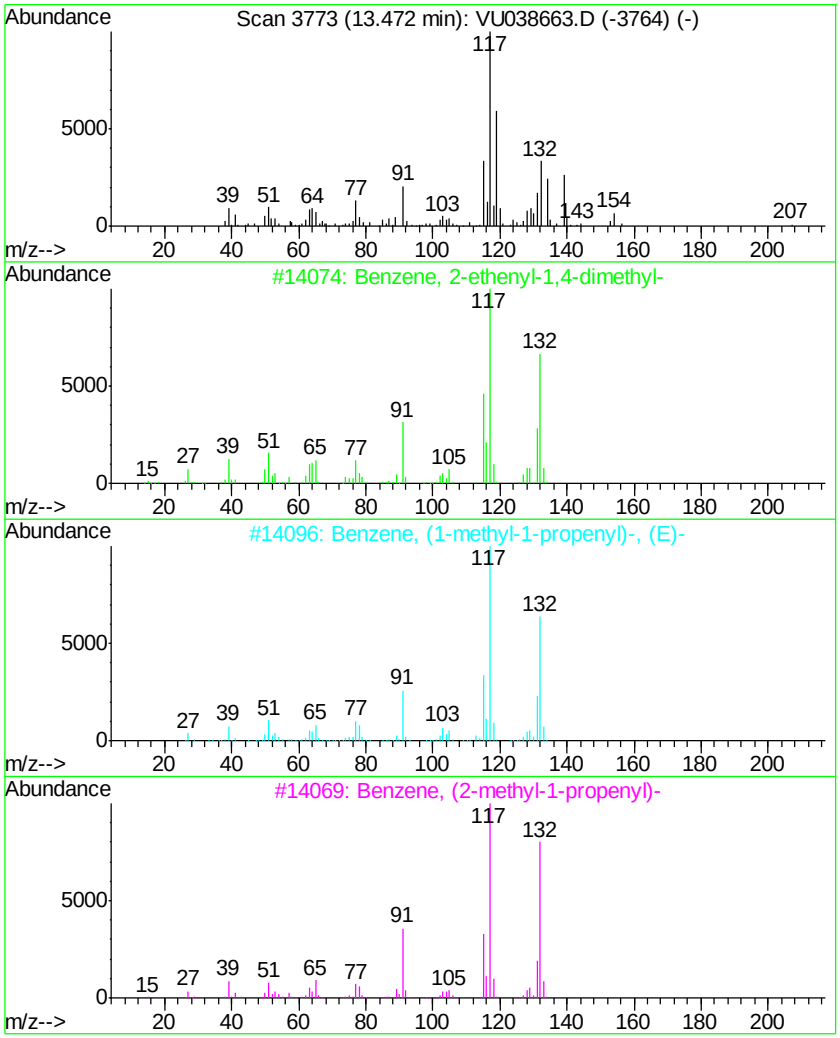
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

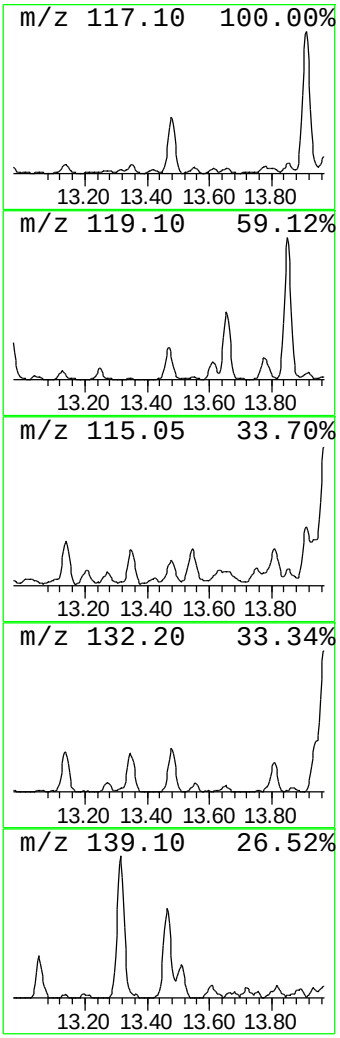
****

Peak Number 26 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	0.59 ug/L	119320	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	58
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	58
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	58
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	53





Library Search Compound Report

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Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

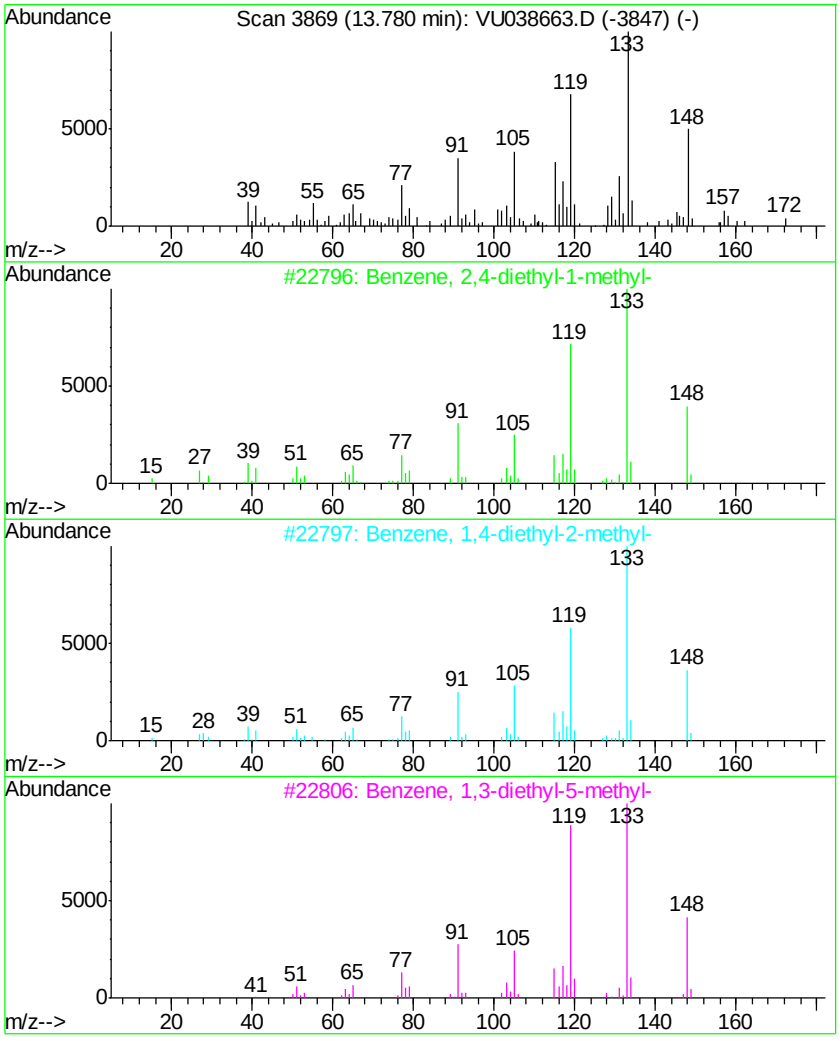
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

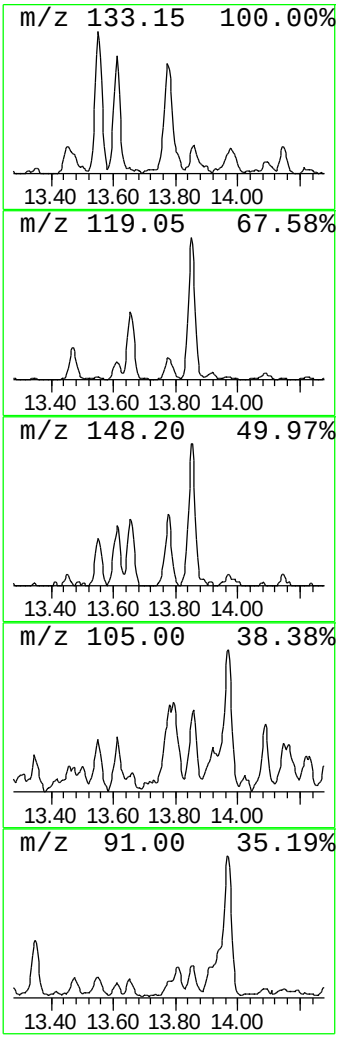
****

Peak Number 27 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	0.57 ug/L	114932	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	95
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	90
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	89
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	81
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

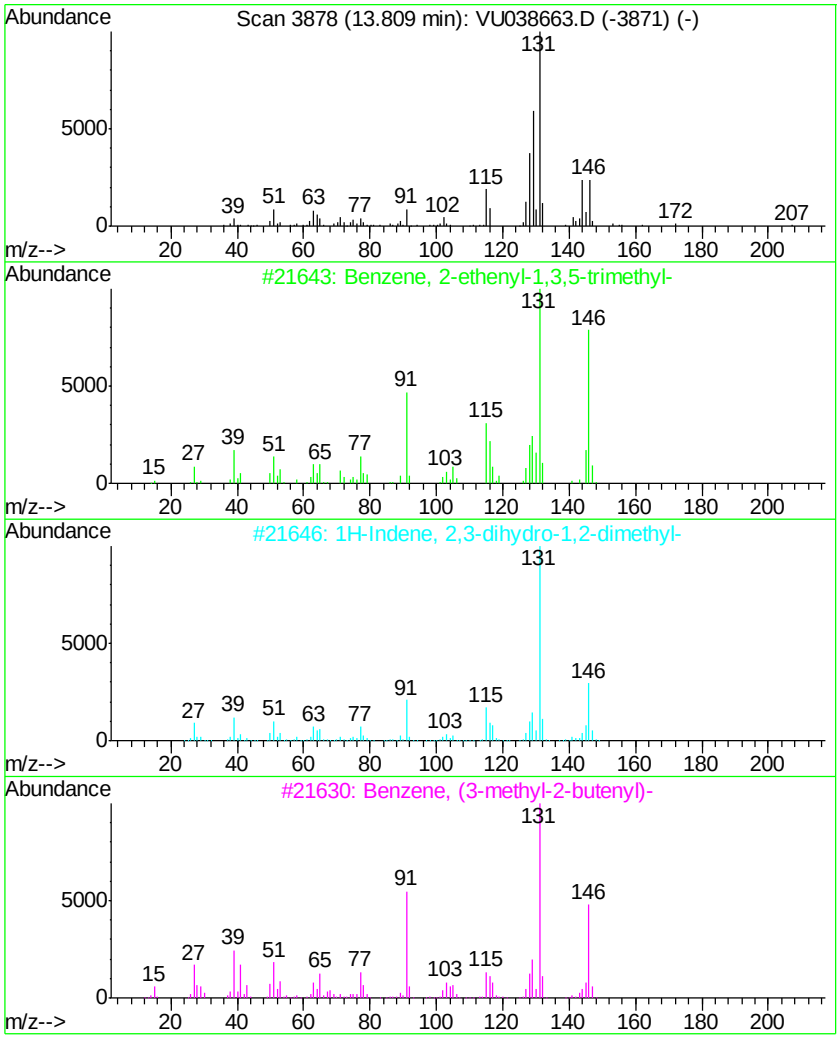
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

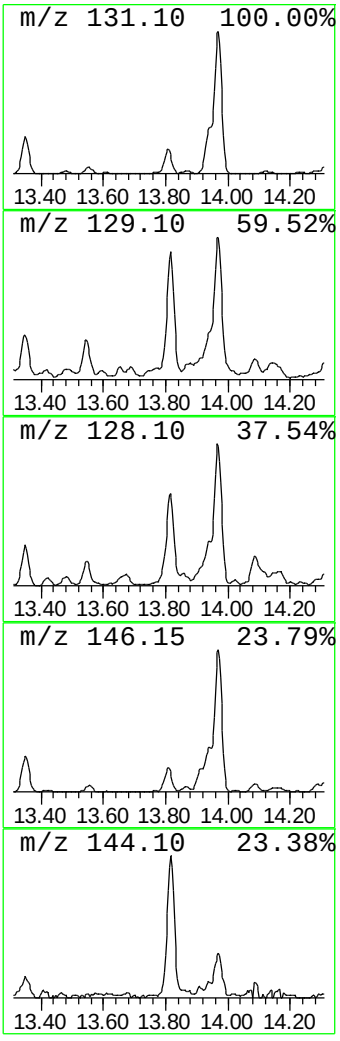
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	0.73 ug/L	148698	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	64
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	58
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	53
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	52
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

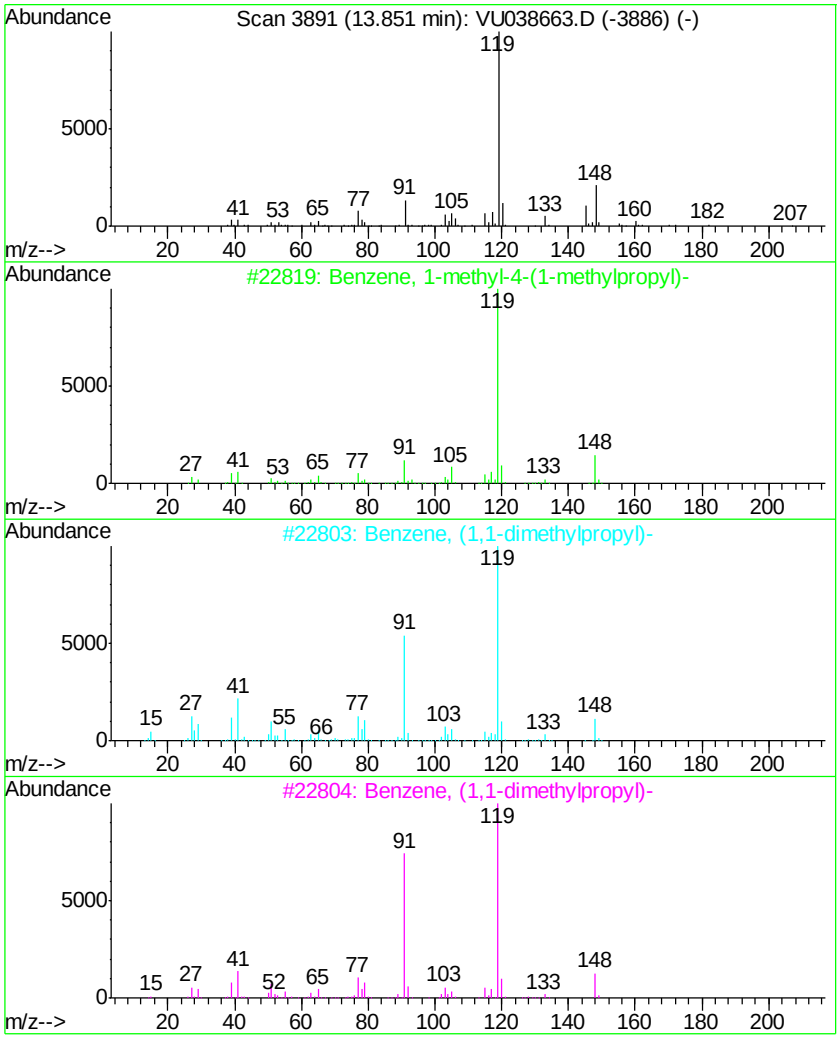
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

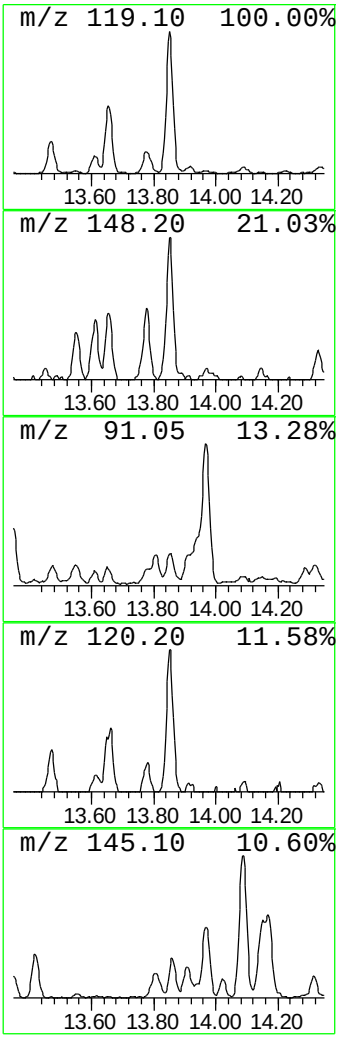
****

Peak Number 29 Benzene, 1-methyl-4-(1-meth... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	0.50 ug/L	102411	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	81
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
5	1-Chloromethyl-3,5-dimethylbenzene	154	C9H11Cl	002745-54-2	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

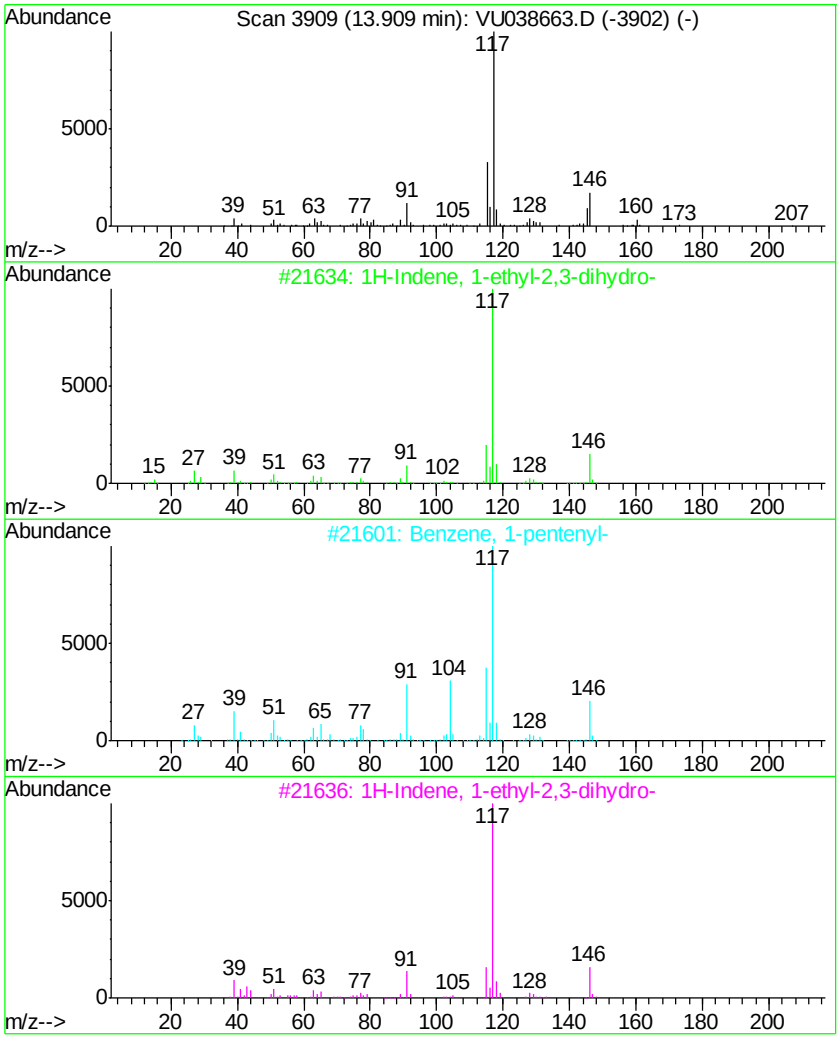
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

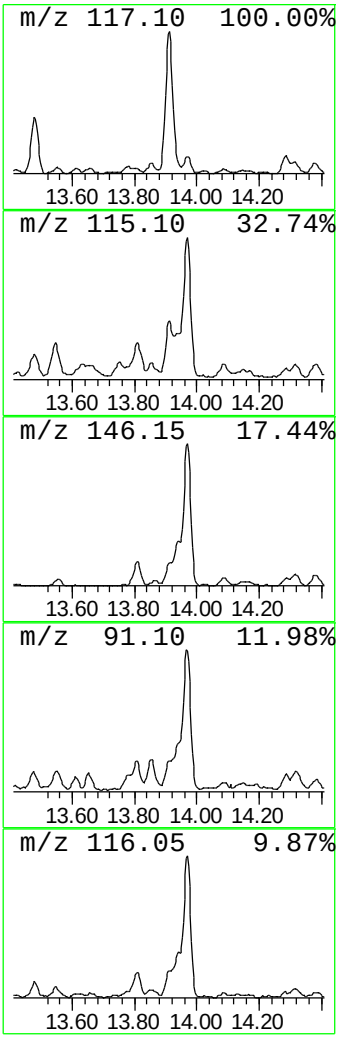
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 1H-Indene, 1-ethyl-2,3-dihy... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	0.63 ug/L	129135	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	87
2	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	83
3	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	83
4	trans-1-Phenyl-1-pentene	146	C11H14	016002-93-0	72
5	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

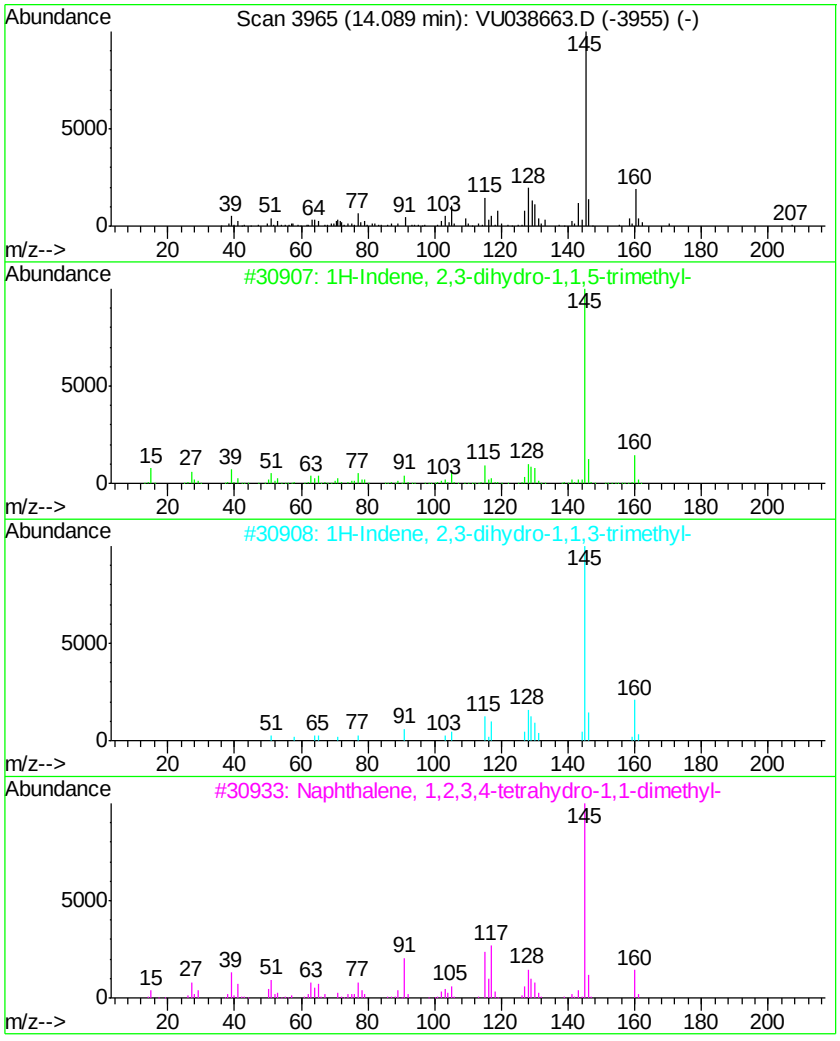
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

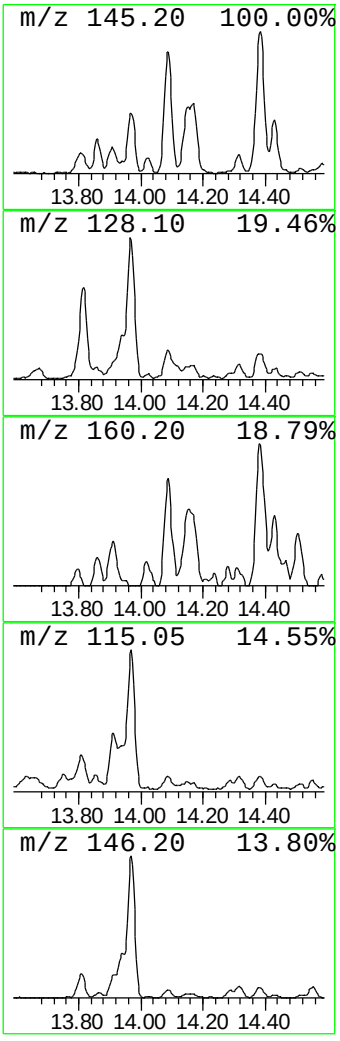
****

Peak Number 32 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	0.54 ug/L	109440	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	93
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	87
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

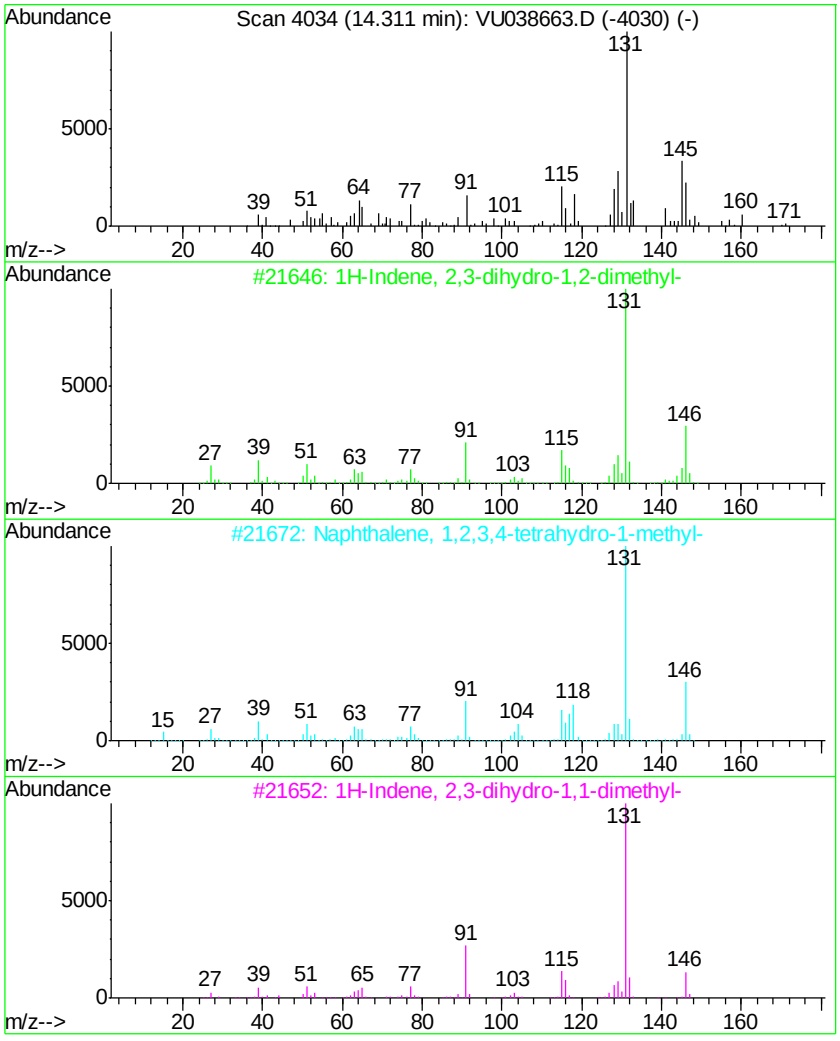
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

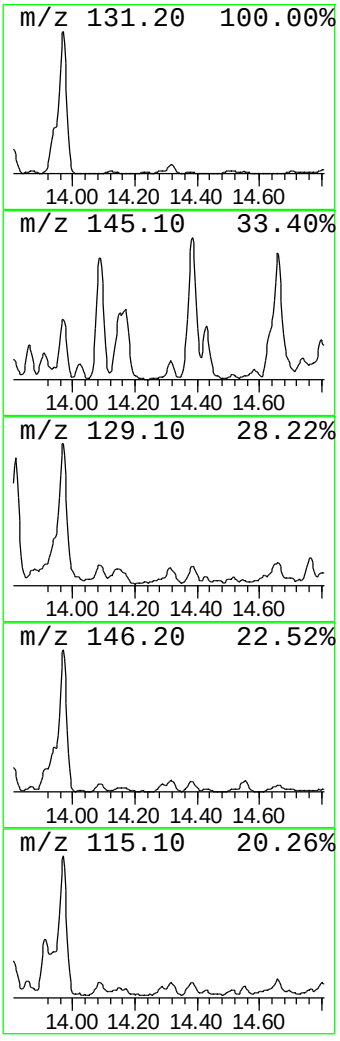
****

Peak Number 33 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	0.58 ug/L	118107	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	58
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	53
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	53
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	52
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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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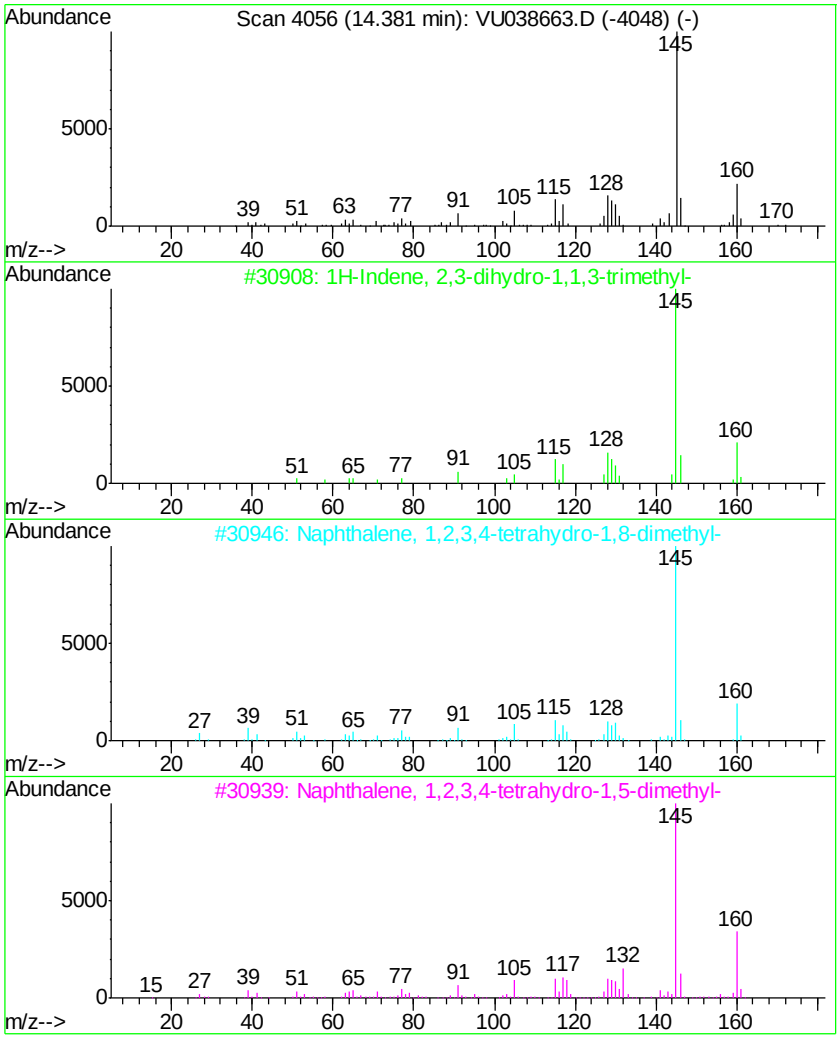
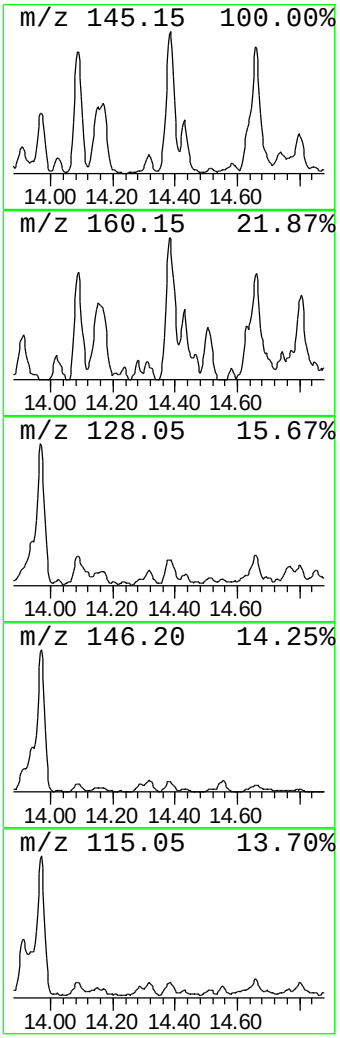
Peak Number 34 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	0.56 ug/L	113895	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	91
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	91
5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

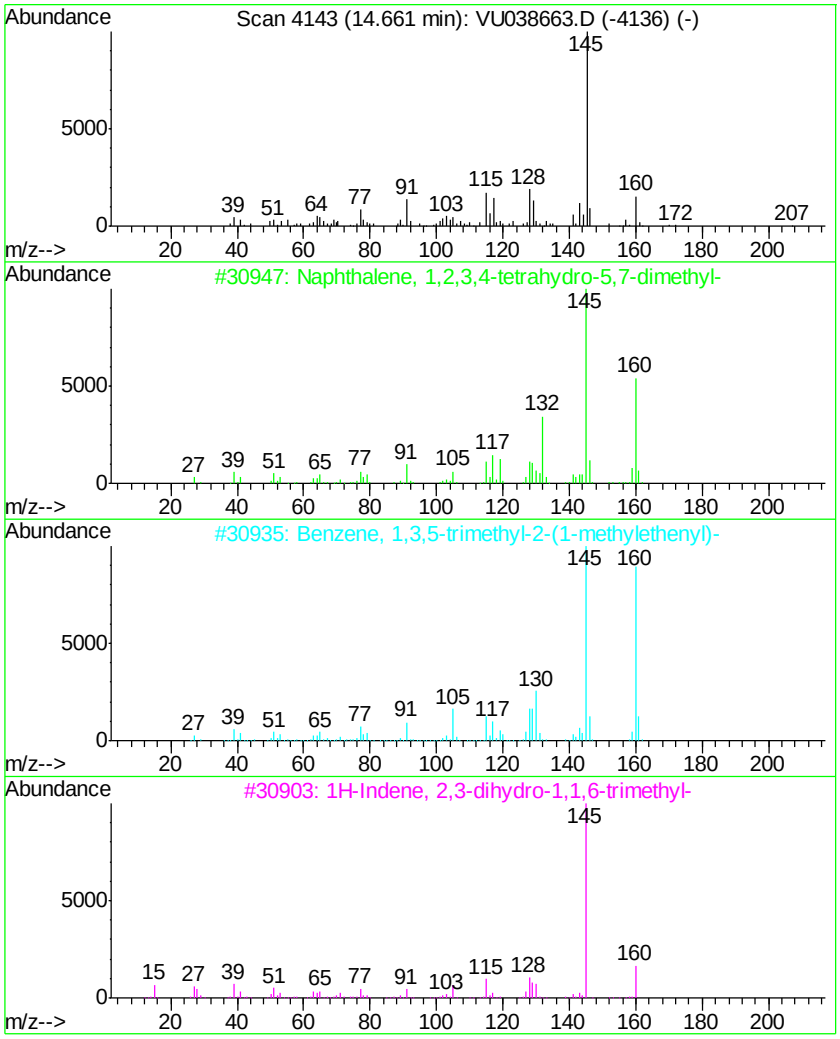
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

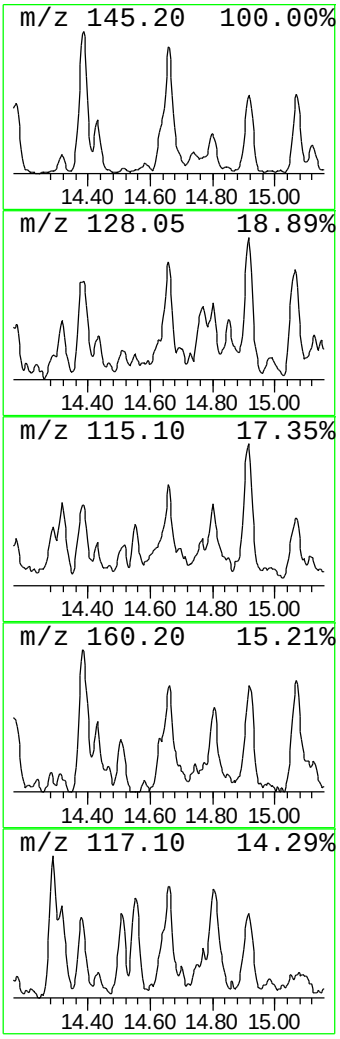
****

Peak Number 35 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	0.63 ug/L	128959	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	72
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	72
3	1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	72
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	68
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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

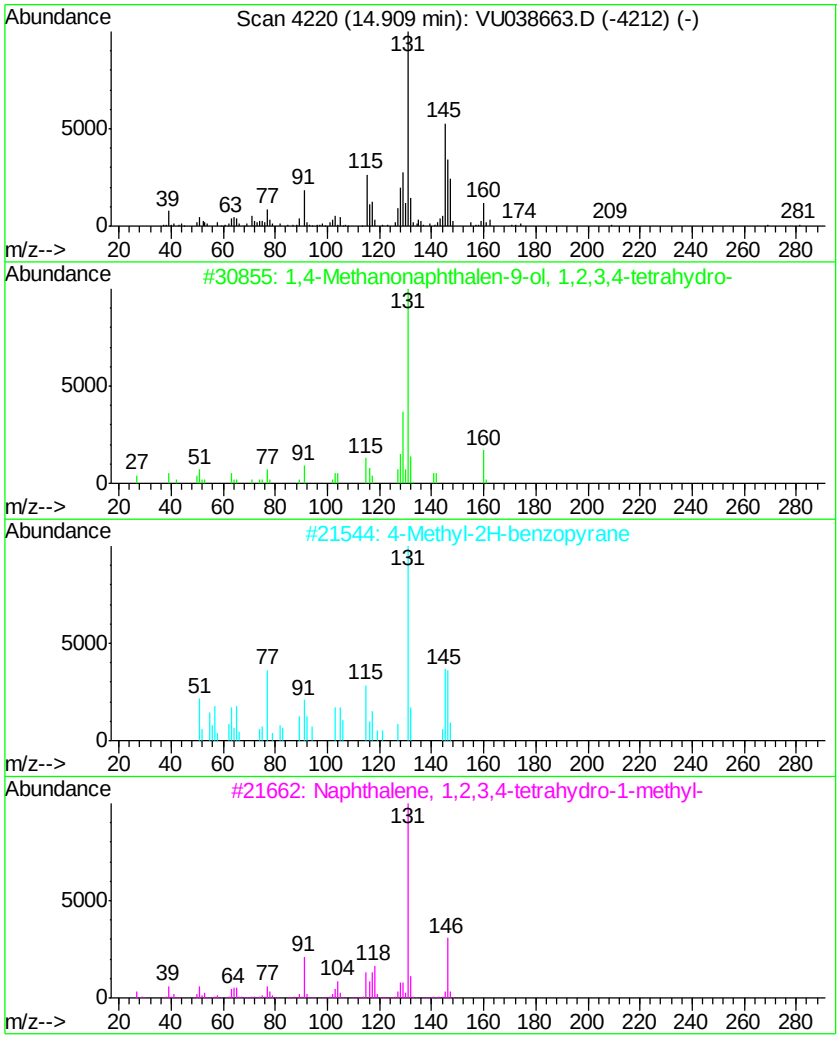
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

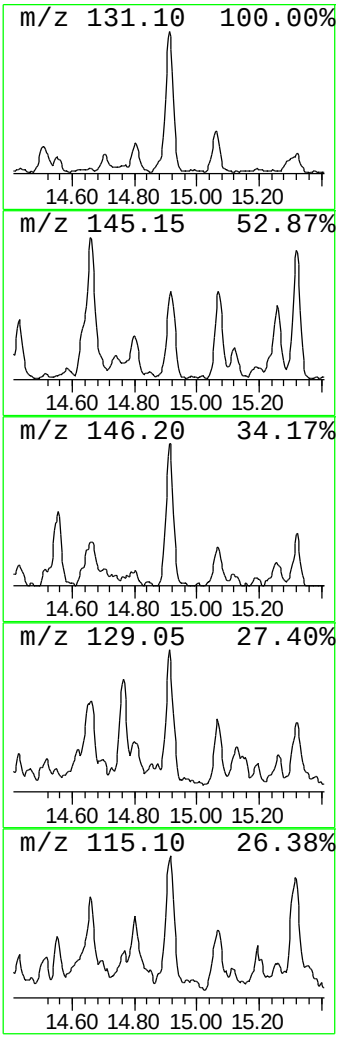
****

Peak Number 36 unknown-02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	1.03 ug/L	208642	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	055255-94-2	49
2	4-Methyl-2H-benzopyrane	146	C10H10O	021776-94-3	46
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	46
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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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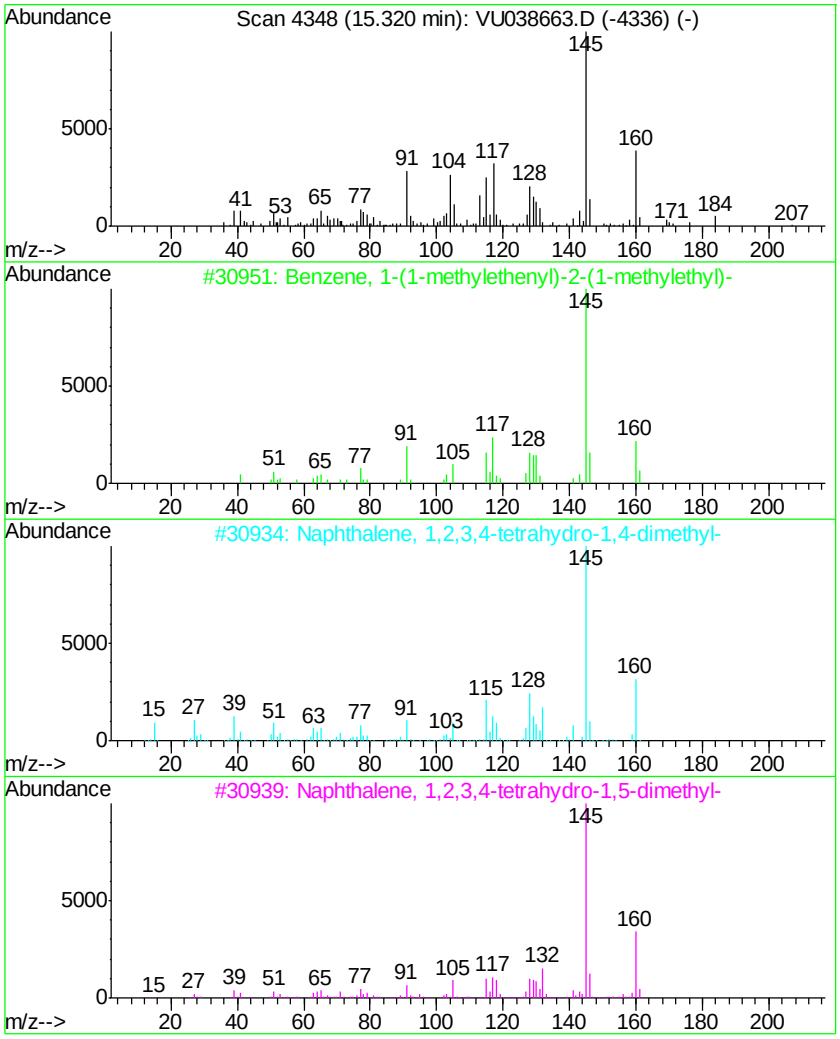
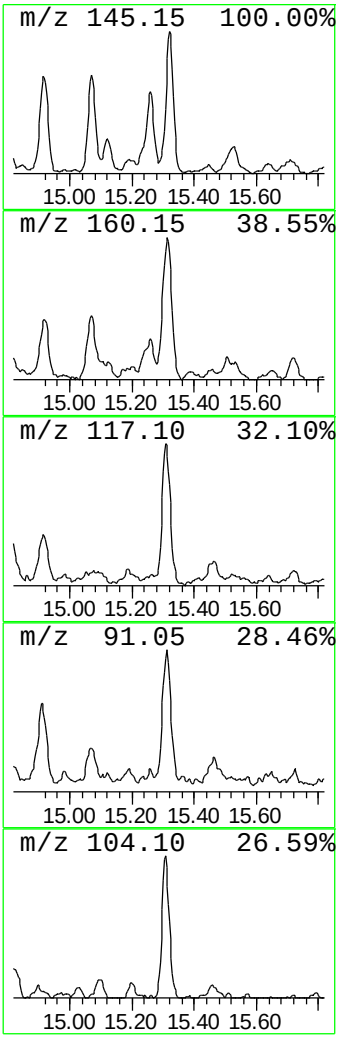
Peak Number 37 Benzene, 1-(1-methylethenyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	1.05 ug/L	213777	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	87
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	76
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	76
4	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	74
5	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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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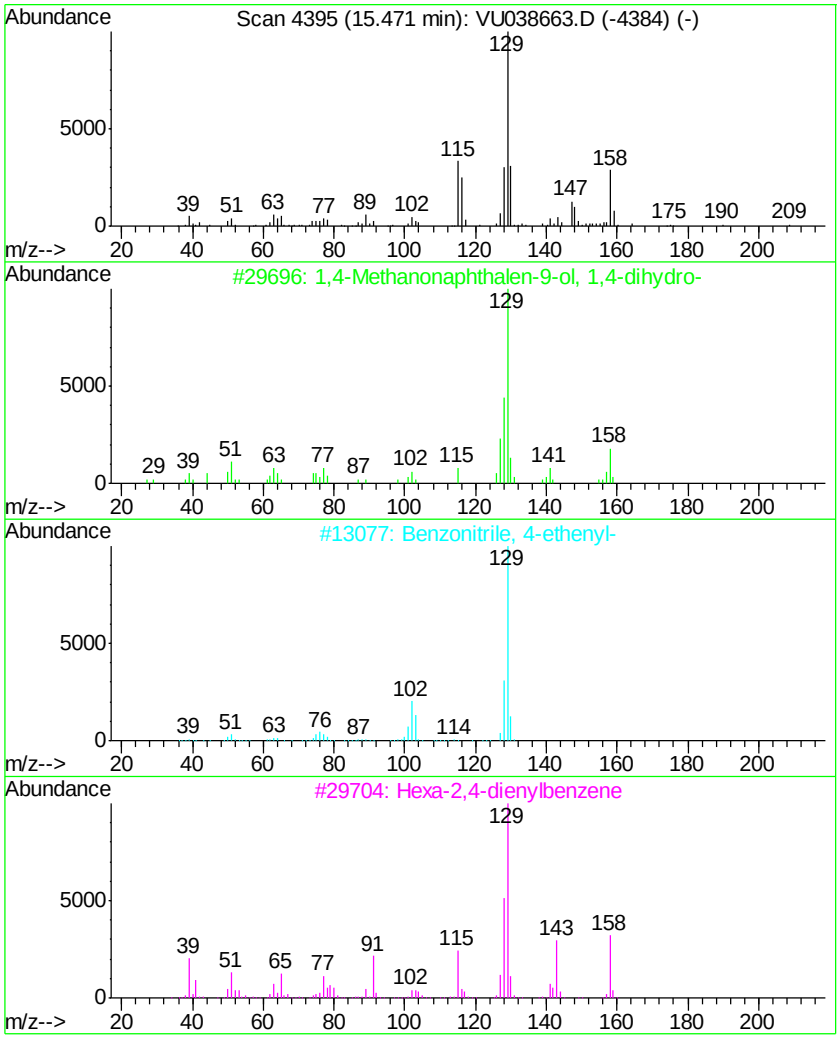
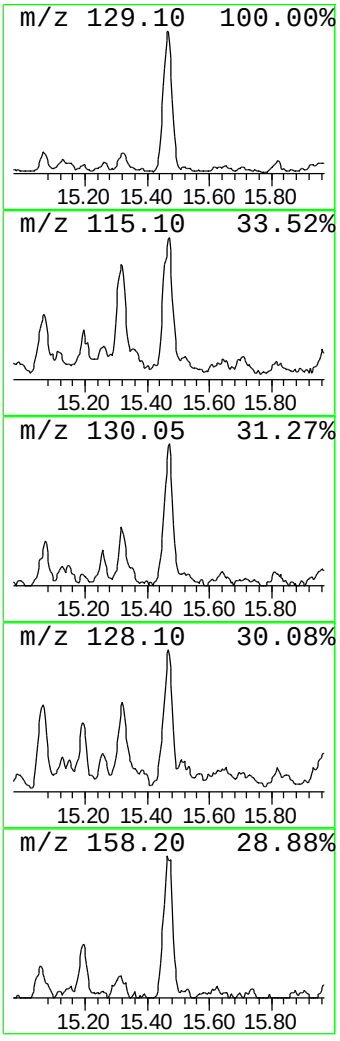
Peak Number 38 unknown-03 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	0.62 ug/L	126672	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalen-9-ol, 1,4-...	158	C11H10O	004796-33-2	46
2	Benzonitrile, 4-ethenyl-	129	C9H7N	003435-51-6	43
3	Hexa-2,4-dienylbenzene	158	C12H14	079482-86-3	42
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	144	C11H12	071721-26-1	40
5	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060820\
Data File : VU038663.D
Acq On : 08 Jun 2020 12:24
Operator : SY/MD
Sample : L2911-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D09

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
Trimethylsilyl fl...	1.75	0.5	ug/L	77254	1	6.28	758212	5.0
(DEL) Alkane: Str...	2.02	1.2	ug/L	188293	1	6.28	758212	5.0
(DEL) Alkane: Cyc...	3.17	0.7	ug/L	107406	1	6.28	758212	5.0
(DEL) Alkane: Cyc...	4.57	0.6	ug/L	95843	1	6.28	758212	5.0
(DEL) Alkane: Cyc...	5.67	1.5	ug/L	220625	1	6.28	758212	5.0
(DEL) Alkane: Cyc...	7.10	1.1	ug/L	173752	1	6.28	758212	5.0
(DEL) Alkane: Cyc...	7.26	1.3	ug/L	193630	1	6.28	758212	5.0
(DEL) Alkane: Cyc...	8.06	1.4	ug/L	251432	2	9.44	920172	5.0
(DEL) Alkane: Cyc...	8.27	2.4	ug/L	434004	2	9.44	920172	5.0
Cyclopentene, 1,2...	8.43	1.1	ug/L	204710	2	9.44	920172	5.0
(DEL) Alkane: Cyc...	8.83	0.6	ug/L	118695	2	9.44	920172	5.0
(DEL) Alkane: Cyc...	8.94	1.0	ug/L	175894	2	9.44	920172	5.0
unknown-01	9.09	0.5	ug/L	95057	2	9.44	920172	5.0
6,6-Dimethylhepta...	9.28	0.6	ug/L	106773	2	9.44	920172	5.0
Bicyclo[3.2.1]octane	9.71	1.6	ug/L	294938	2	9.44	920172	5.0
Cyclopropanemetha...	10.05	0.7	ug/L	135321	2	9.44	920172	5.0
Cyclooctene, 3-me...	10.29	0.5	ug/L	93778	2	9.44	920172	5.0
Benzene, (2-methy...	11.62	1.0	ug/L	206814	3	11.83	1016870	5.0
Oxirane, 2-methyl...	11.65	5.6	ug/L	1135250	3	11.83	1016870	5.0
Benzene, 1,4-diet...	12.11	0.8	ug/L	163364	3	11.83	1016870	5.0
Indan, 1-methyl-	12.70	0.8	ug/L	155568	3	11.83	1016870	5.0
Benzene, (1,1-dim...	12.96	0.6	ug/L	111101	3	11.83	1016870	5.0
1H-Indene, 2,3-di...	13.14	1.3	ug/L	258834	3	11.83	1016870	5.0
1H-Indene, 2,3-di...	13.35	1.0	ug/L	212314	3	11.83	1016870	5.0
Benzene, 2-etheny...	13.47	0.6	ug/L	119320	3	11.83	1016870	5.0
Benzene, 2,4-diet...	13.78	0.6	ug/L	114932	3	11.83	1016870	5.0
Benzene, 2-etheny...	13.81	0.7	ug/L	148698	3	11.83	1016870	5.0
Benzene, 1-methyl...	13.85	0.5	ug/L	102411	3	11.83	1016870	5.0
1H-Indene, 1-ethy...	13.91	0.6	ug/L	129135	3	11.83	1016870	5.0
1H-Indene, 2,3-di...	14.09	0.5	ug/L	109440	3	11.83	1016870	5.0
1H-Indene, 2,3-di...	14.31	0.6	ug/L	118107	3	11.83	1016870	5.0
1H-Indene, 2,3-di...	14.38	0.6	ug/L	113895	3	11.83	1016870	5.0
Naphthalene, 1,2,...	14.66	0.6	ug/L	128959	3	11.83	1016870	5.0
unknown-02	14.91	1.0	ug/L	208642	3	11.83	1016870	5.0
Benzene, 1-(1-met...	15.32	1.1	ug/L	213777	3	11.83	1016870	5.0
unknown-03	15.47	0.6	ug/L	126672	3	11.83	1016870	5.0