LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

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\SOMUTR111418WMA.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	1.398	63	70	80	rBV	107620	119239	14.51%	1.272%
2	1.447	80	85	93	rVB2	8545	10631	1.29%	0.113%
3	1.685	151	159	171	rVB	77204	92428	11.25%	0.986%
4	2.276	332	343	351	rBV	146560	246325	29.98%	2.627%
5	2.707	467	477	493	rVB3	23581	46375	5.64%	0.495%
6	2.797	494	505	516	rBV7	4894	10262	1.25%	0.109%
7	3.009	556	571	593	rVB2	164297	376321	45.81%	4.013%
8	3.852	819	833	845	rBV5	5065	13993	1.70%	0.149%
9	3.990	859	876	895	rVB3	32299	86417	10.52%	0.922%
10	4.215	925	946	979	rBV	122180	401993	48.93%	4.287%
11	4.652	1062	1082	1097	rBV	106085	248233	30.21%	2.647%
12	4.729	1098	1106	1125	rVB4	16787	39851	4.85%	0.425%
13	5.080	1194	1215	1237	rBV3	60838	148958	18.13%	1.589%
14	5.257	1254	1270	1277	rBV5	17872	41290	5.03%	0.440%
15	5.340	1277	1296	1329	rVV2	233394	681668	82.97%	7.270%
16	5.533	1329	1356	1372	rVV2	85962	222750	27.11%	2.376%
17	5.601	1372	1377	1396	rVB6	7792	16591	2.02%	0.177%
18	5.887	1452	1466	1479	rBV	198010	397984	48.44%	4.244%
19	6.205	1548	1565	1580	rBV	11816	32500	3.96%	0.347%
20	6.334	1590	1605	1618	rBV	161531	317264	38.62%	3.384%
21	6.479	1639	1650	1658	rBV7	8090	16404	2.00%	0.175%
22	6.530	1658	1666	1678	rVV5	14272	29442	3.58%	0.314%
23	6.588	1678	1684	1696	rVB4	4851	8795	1.07%	0.094%
24	6.739	1712	1731	1744	rVB4	18872	42182	5.13%	0.450%
25	6.832	1744	1760	1771	rBV8	6482	15185	1.85%	0.162%
26	6.926	1774	1789	1806	rVB2	64626	135622	16.51%	1.446%
27	7.048	1806	1827	1843	rBV2	71158	156409	19.04%	1.668%
28	7.147	1850	1858	1868	rVB10	5631	10655	1.30%	0.114%
29	7.228	1868	1883	1900	rBV	79577	167731	20.42%	1.789%
30	7.302	1901	1906	1920	rVB10	9370	19834	2.41%	0.212%
31	7.430	1930	1946	1959	rVB9	13481	35557	4.33%	0.379%
32	7.565	1967	1988	2010	rBV	303180	558219	67.95%	5.953%
33	7.710	2023	2033	2045	rBV6	10250	20655	2.51%	0.220%
34	7.800	2049	2061	2068	rBV6	6194	14001	1.70%	0.149%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

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\SOMUTR111418WMA.M
Title : TRACE VOA SOM01.0

35	7.855	2068	2078	2090	rVB2	42180	72264	8.80%	0.771%
36	8.096	2144	2153	2164	rBV3	20289	36233	4.41%	0.386%
37	8.315	2201	2221	2238	rBV	458829	821568	100.00%	8.762%
38	8.466	2261	2268	2285	rVB5	17708	34253	4.17%	0.365%
39	8.649	2314	2325	2331	rBV7	7557	12617	1.54%	0.135%
40	8.761	2349	2360	2375	rVB5	20091	36362	4.43%	0.388%
41	8.945	2403	2417	2432	rVB7	4306	10899	1.33%	0.116%
42	9.089	2448	2462	2475	rBV	293531	489023	59.52%	5.215%
43	9.215	2492	2501	2511	rVB6	13194	20793	2.53%	0.222%
44	9.366	2536	2548	2566	rVB6	14615	41471	5.05%	0.442%
45	9.745	2662	2666	2675	rVB5	6992	9530	1.16%	0.102%
46	10.044	2752	2759	2773	rVB10	6145	15744	1.92%	0.168%
47	10.369	2850	2860	2869	rBV10	5773	11432	1.39%	0.122%
48	10.433	2869	2880	2895	rBV	110616	185717	22.61%	1.981%
49	10.996	3046	3055	3067	rVB9	9596	18708	2.28%	0.200%
50	11.099	3068	3087	3097	rBV2	40612	74077	9.02%	0.790%
51	11.202	3108	3119	3127	rVB6	5739	8816	1.07%	0.094%
52	11.289	3134	3146	3152	rBV7	7188	15379	1.87%	0.164%
53	11.327	3152	3158	3169	rVB9	8542	15670	1.91%	0.167%
54	11.482	3195	3206	3230	rVB	296563	484825	59.01%	5.170%
55	11.687	3260	3270	3277	rBV7	5404	9299	1.13%	0.099%
56	11.861	3304	3324	3345	rVB3	350022	596614	72.62%	6.363%
57	12.228	3420	3438	3447	rBV5	16807	36735	4.47%	0.392%
58	12.295	3450	3459	3472	rVV5	19568	42055	5.12%	0.449%
59	12.359	3473	3479	3485	rVV8	9714	15722	1.91%	0.168%
60	12.404	3487	3493	3494	rVV4	10984	11783	1.43%	0.126%
61	12.433	3496	3502	3512	rVV	31669	48963	5.96%	0.522%
62	12.491	3513	3520	3527	rVV8	7345	14622	1.78%	0.156%
63	12.536	3527	3534	3544	rVB2	28847	43750	5.33%	0.467%
64	12.620	3550	3560	3567	rBV6	17990	36121	4.40%	0.385%
65	12.668	3570	3575	3588	rVB8	15814	29364	3.57%	0.313%
66	12.790	3603	3613	3622	rVB3	18787	28761	3.50%	0.307%
67	12.922	3637	3654	3663	rBV3	25998	54969	6.69%	0.586%
68	12.996	3667	3677	3686	rBV4	22946	37137	4.52%	0.396%
69	13.067	3691	3699	3708	rVV2	13345	22462	2.73%	0.240%
70	13.195	3732	3739	3751	rVB3	21356	37323	4.54%	0.398%
71	13.453	3808	3819	3826	rVV10	11615	22891	2.79%	0.244%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

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\SOMUTR111418WMA.M
Title : TRACE VOA SOM01.0

72	13.501	3828	3834	3841	rVV4	10413	17178	2.09%	0.183%
73	13.552	3841	3850	3864	rVB5	35096	67012	8.16%	0.715%
74	13.732	3896	3906	3911	rBV5	6435	12168	1.48%	0.130%
75	13.787	3919	3923	3935	rVB4	8308	11444	1.39%	0.122%
76	13.855	3935	3944	3957	rVB4	6152	12513	1.52%	0.133%
77	13.948	3957	3973	3983	rBV3	27468	55859	6.80%	0.596%
78	14.012	3986	3993	3999	rBV4	12120	19911	2.42%	0.212%
79	14.089	4012	4017	4025	rVB5	7388	9879	1.20%	0.105%
80	14.137	4025	4032	4037	rVV3	14775	20857	2.54%	0.222%
81	14.176	4038	4044	4056	rVB4	29682	46384	5.65%	0.495%
82	14.356	4088	4100	4102	rBV4	5945	9316	1.13%	0.099%
83	14.443	4119	4127	4130	rBV6	11625	15931	1.94%	0.170%
84	14.546	4147	4159	4171	rBV7	25251	51244	6.24%	0.546%
85	14.610	4172	4179	4195	rVB7	11483	23396	2.85%	0.250%
86	14.694	4195	4205	4217	rBV5	17189	37274	4.54%	0.398%
87	14.771	4223	4229	4237	rVB9	8434	13265	1.61%	0.141%
88	14.819	4237	4244	4254	rBV6	15854	25284	3.08%	0.270%
89	14.928	4269	4278	4285	rBV6	31895	58681	7.14%	0.626%
90	15.076	4306	4324	4337	rBV2	97801	227327	27.67%	2.424%
91	15.263	4374	4382	4388	rBV9	10047	17752	2.16%	0.189%
92	15.414	4423	4429	4440	rVB9	12933	21860	2.66%	0.233%
93	15.562	4461	4475	4489	rVB9	15334	41688	5.07%	0.445%
94	15.671	4500	4509	4522	rBV3	68018	109426	13.32%	1.167%
95	15.838	4555	4561	4570	rBV10	13295	19223	2.34%	0.205%
96	16.047	4617	4626	4633	rVB8	11935	18921	2.30%	0.202%
97	16.176	4656	4666	4678	rBV3	34248	62135	7.56%	0.663%
98	16.478	4752	4760	4769	rBV5	14369	23770	2.89%	0.253%
99	16.536	4769	4778	4790	rVB10	16039	31062	3.78%	0.331%
100	16.610	4793	4801	4809	rBV10	5877	10300	1.25%	0.110%

Sum of corrected areas: 9376776

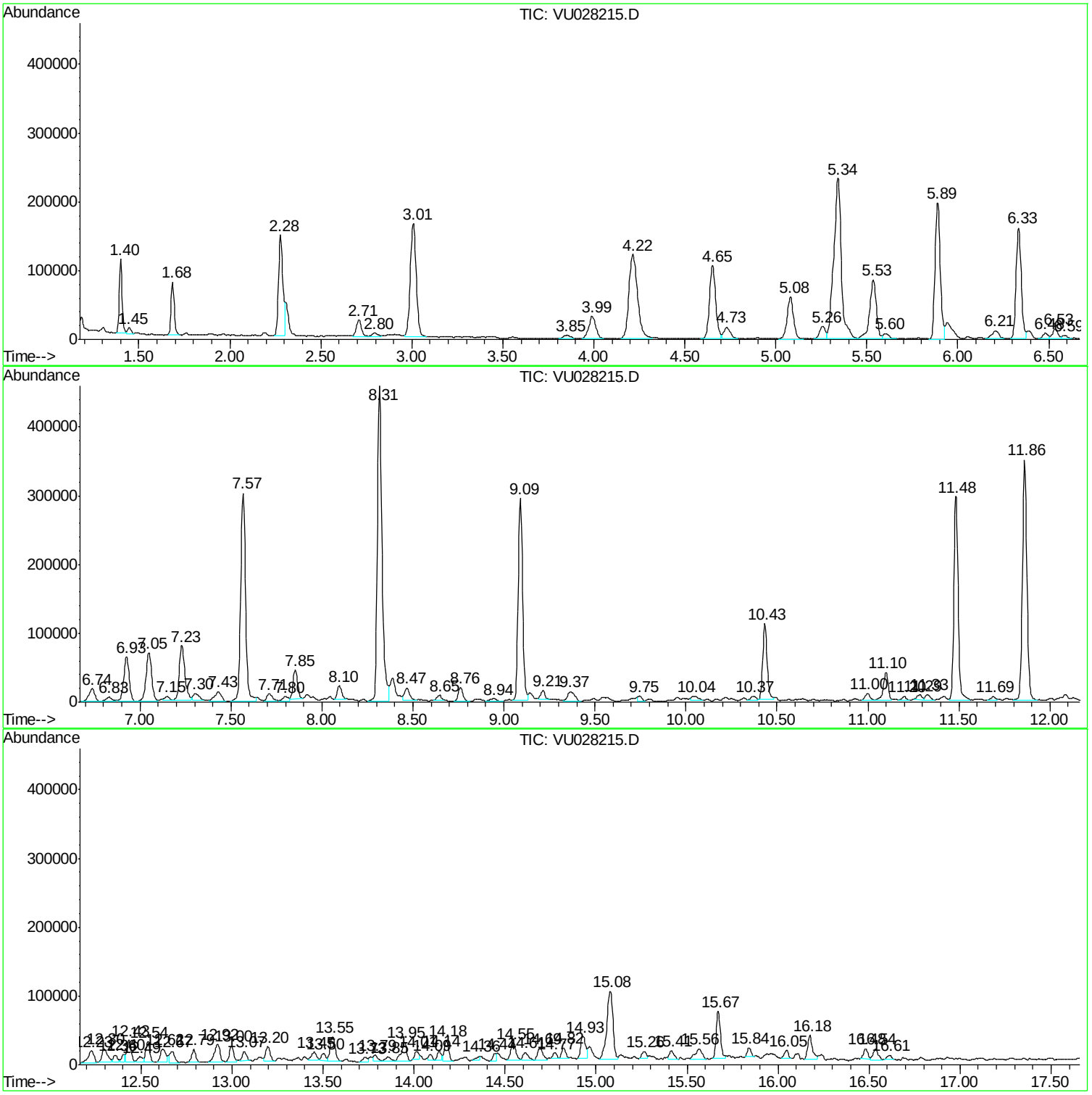
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.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\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

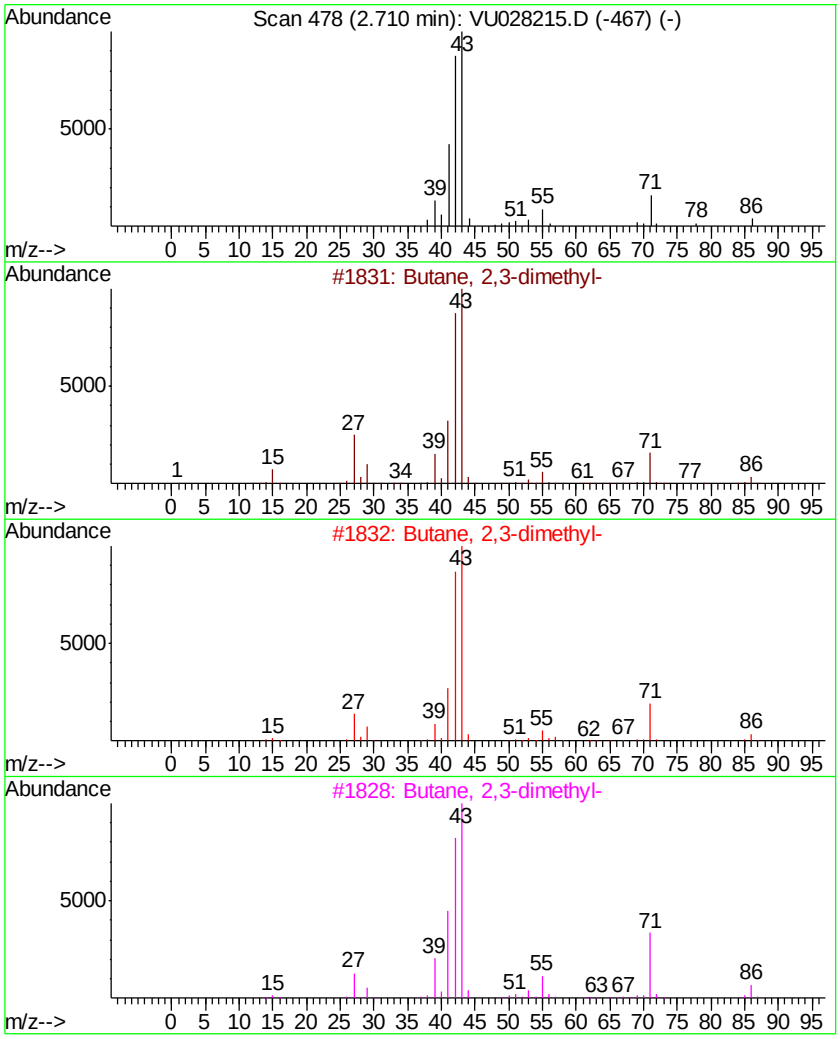
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

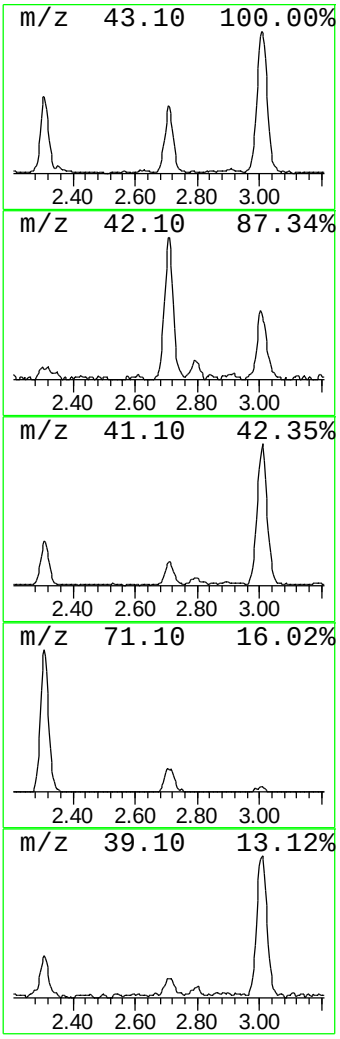
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	0.58 ug/L	46375	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	78
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
5	Pentane	72	C5H12	000109-66-0	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

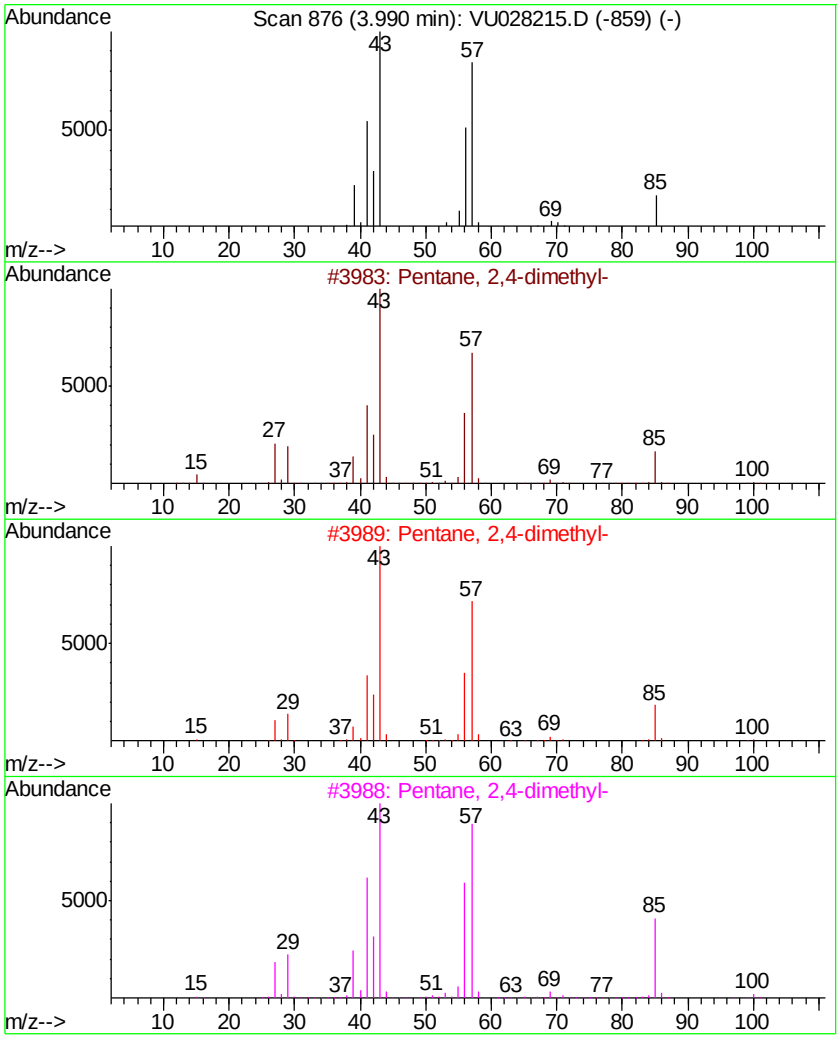
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

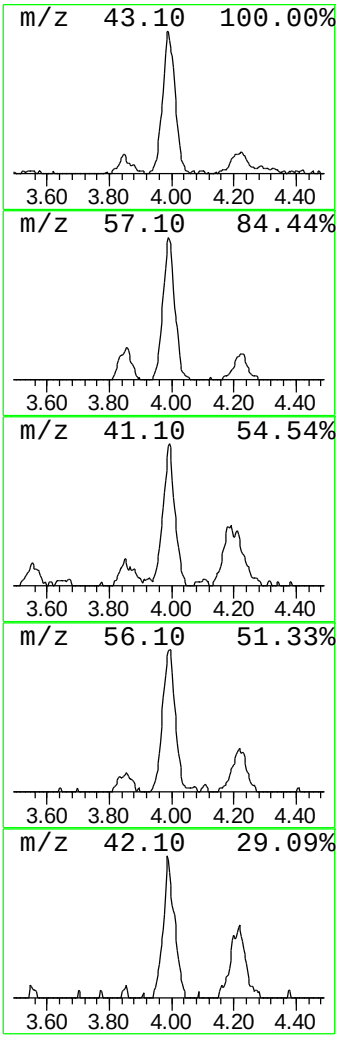
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	1.09 ug/L	86417	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	78
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	78
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	45
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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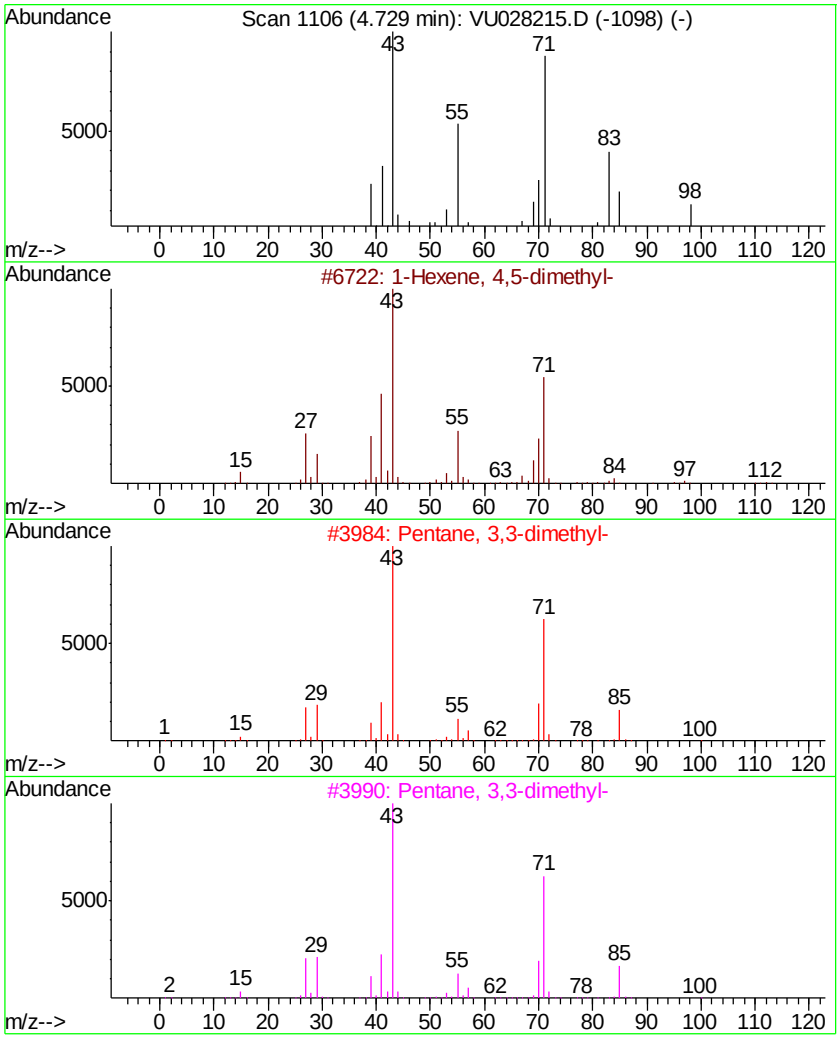
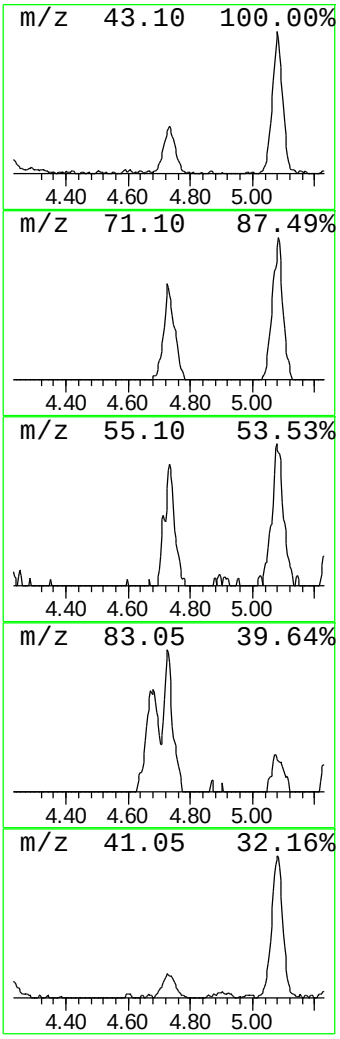
Peak Number 3 (DEL) Alkane: Cyclic4.73 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	0.50 ug/L	39851	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	47
2	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38
3	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38
4	Butane, 2-bromo-2-methyl-	150	C5H11Br	000507-36-8	37
5	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

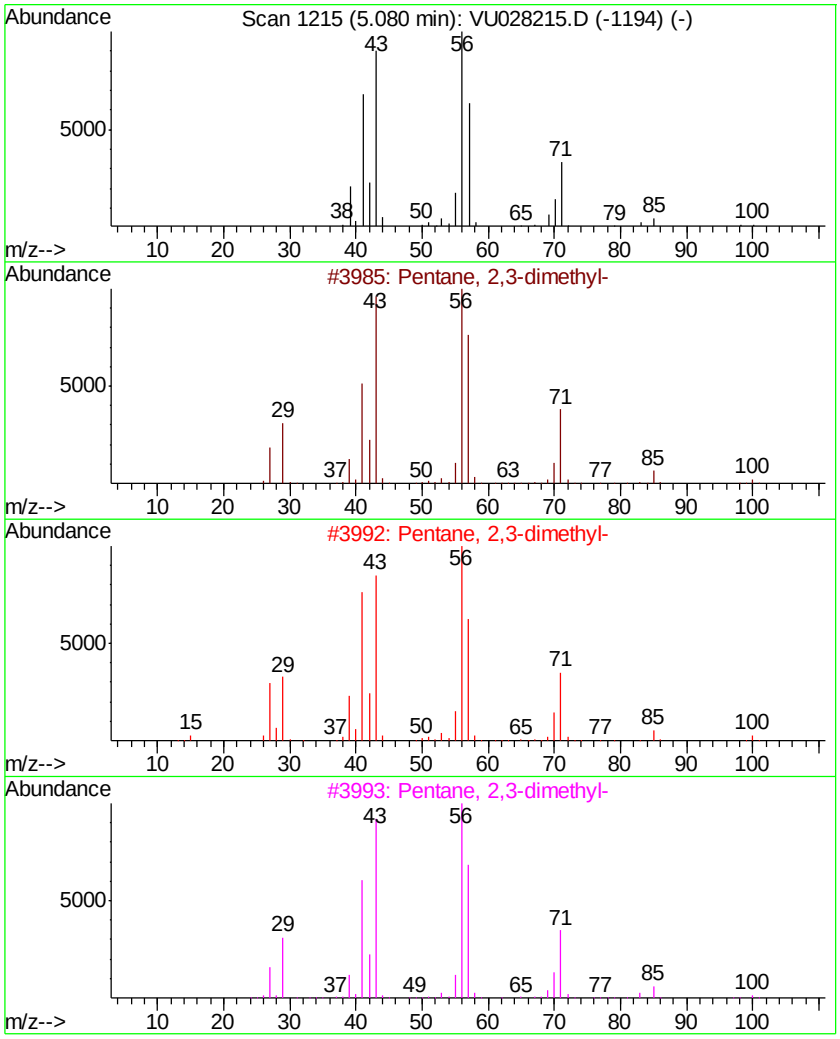
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

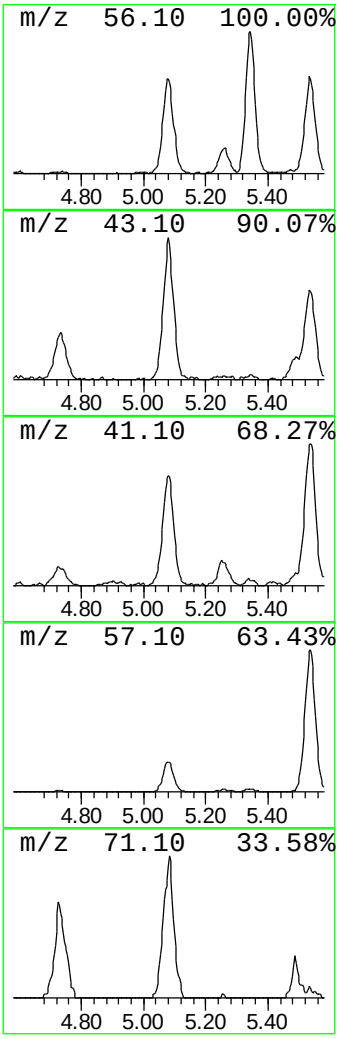
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	1.87 ug/L	148958	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	53
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

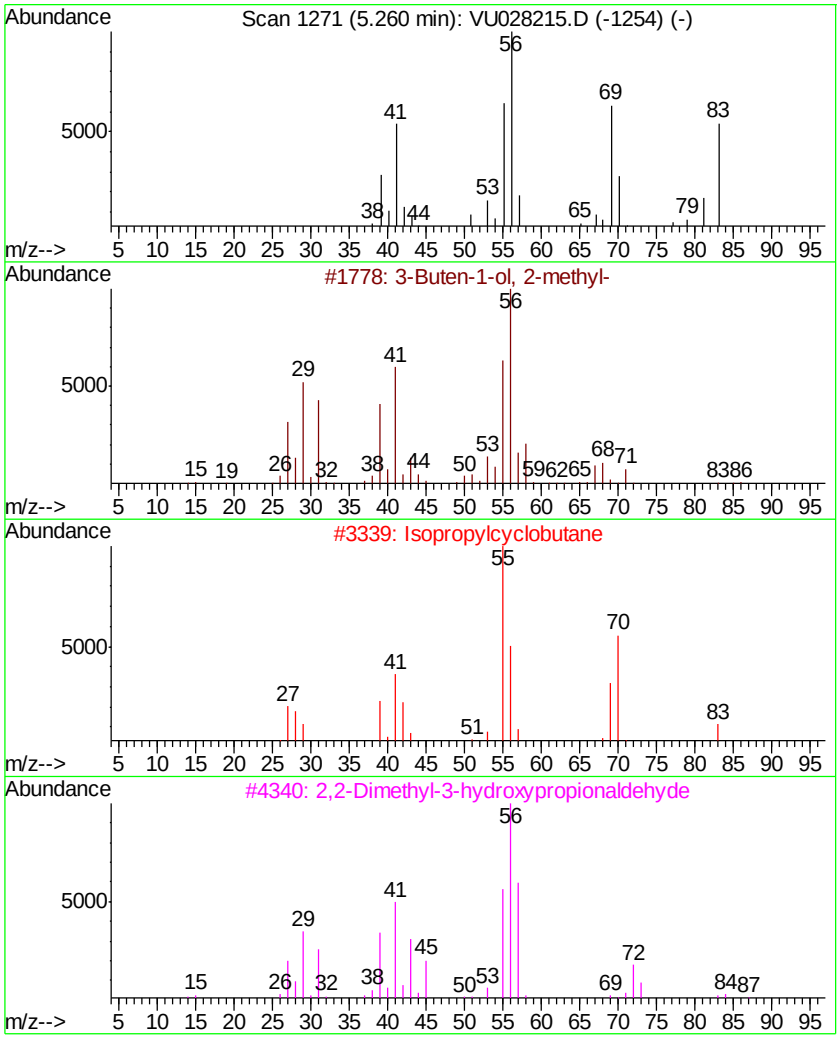
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

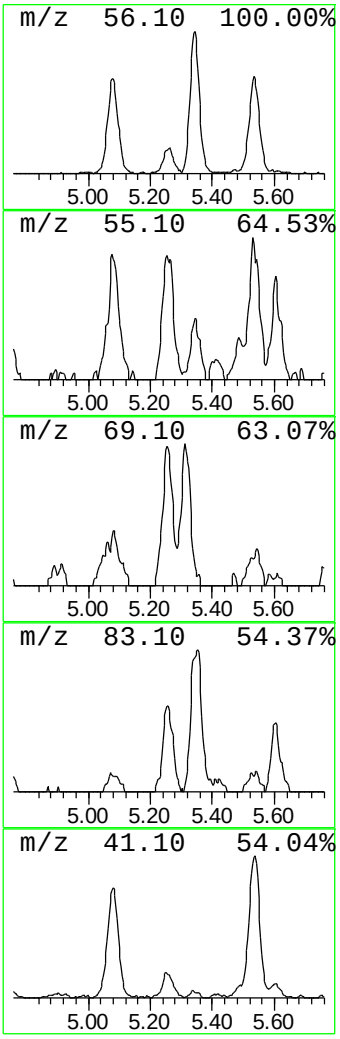
****

Peak Number 5 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	0.52 ug/L	41290	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-1-ol, 2-methyl-	86	C5H10O	004516-90-9	38
2	Isopropylcyclobutane	98	C7H14	000872-56-0	37
3	2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	23
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	10
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	10





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Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

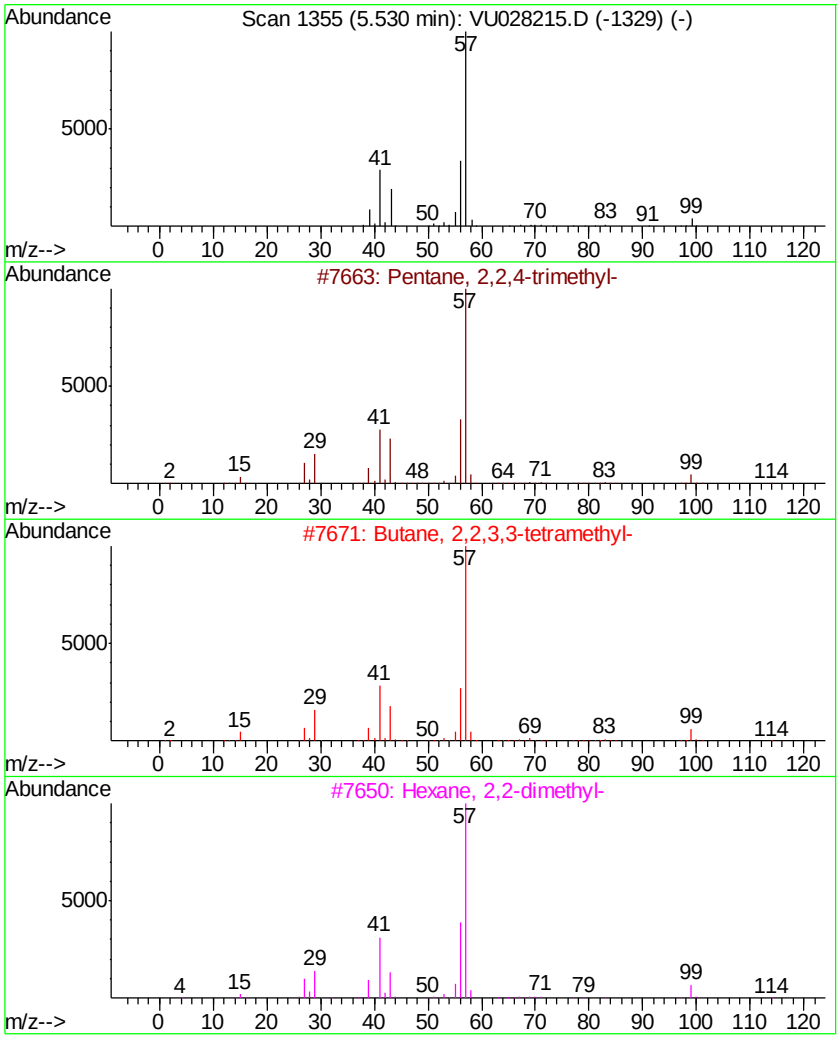
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

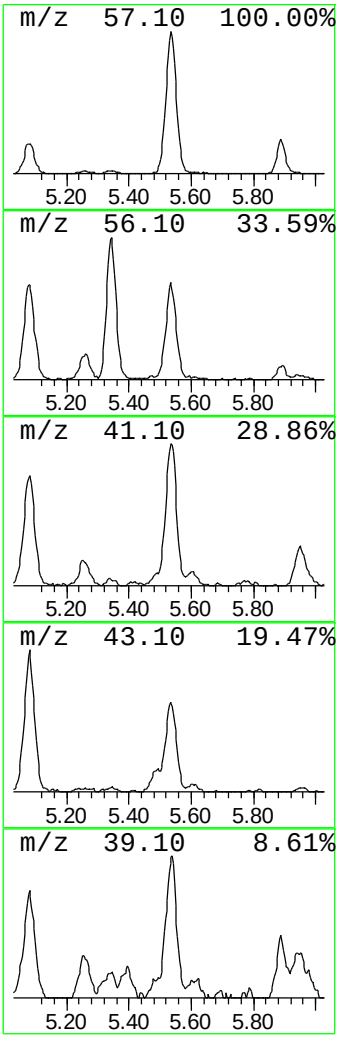
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	2.80 ug/L	222750	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
5	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	59





Library Search Compound Report

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Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

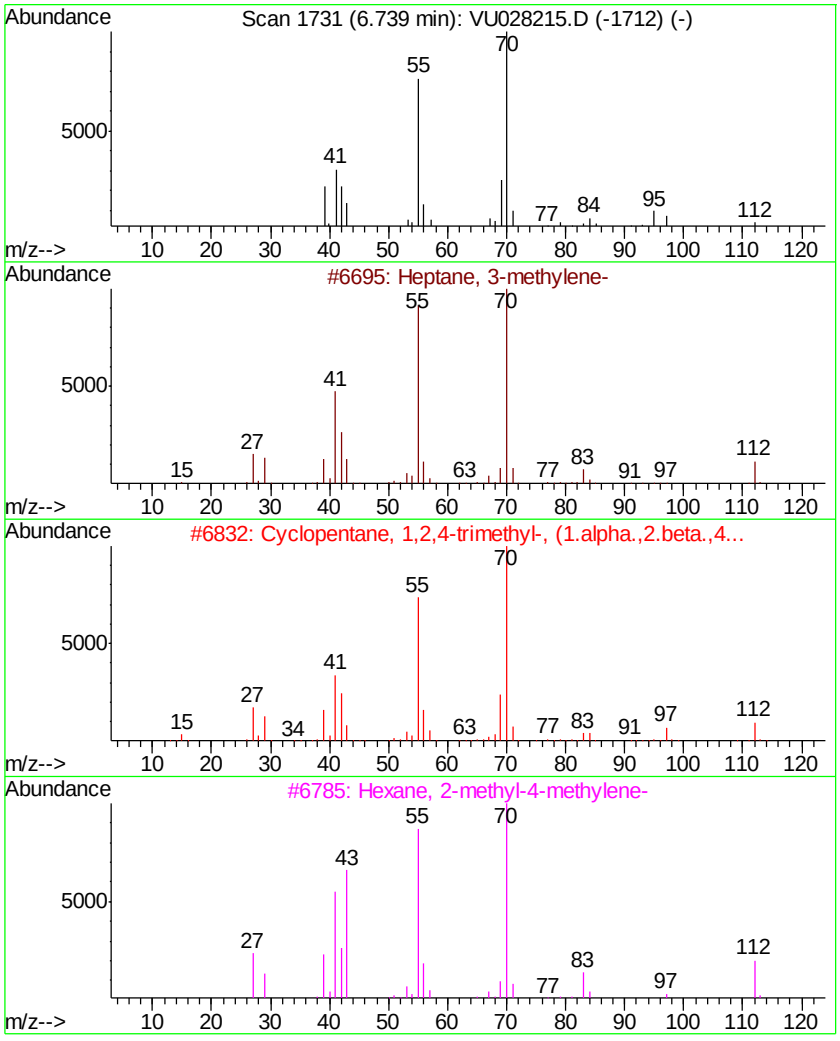
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

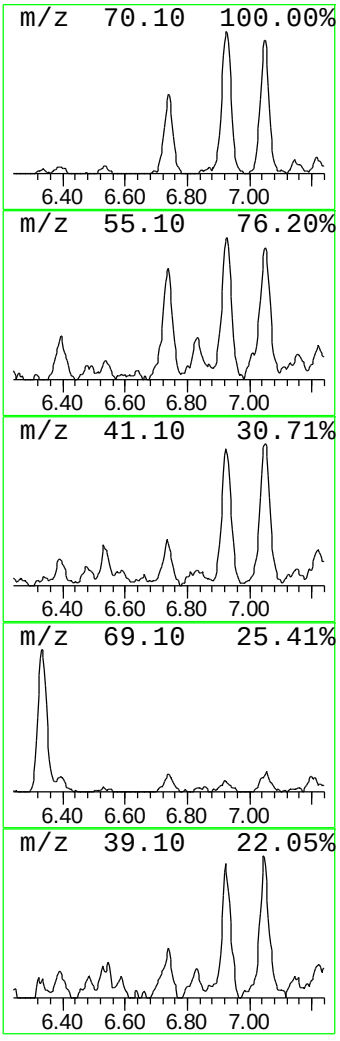
****

Peak Number 7 (DEL) Alkane: Cyclic6.74 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	0.53 ug/L	42182	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methylene-	112	C8H16	001632-16-2	80
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	78
3	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	72
4	Heptane, 3-methylene-	112	C8H16	001632-16-2	72
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	72





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Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

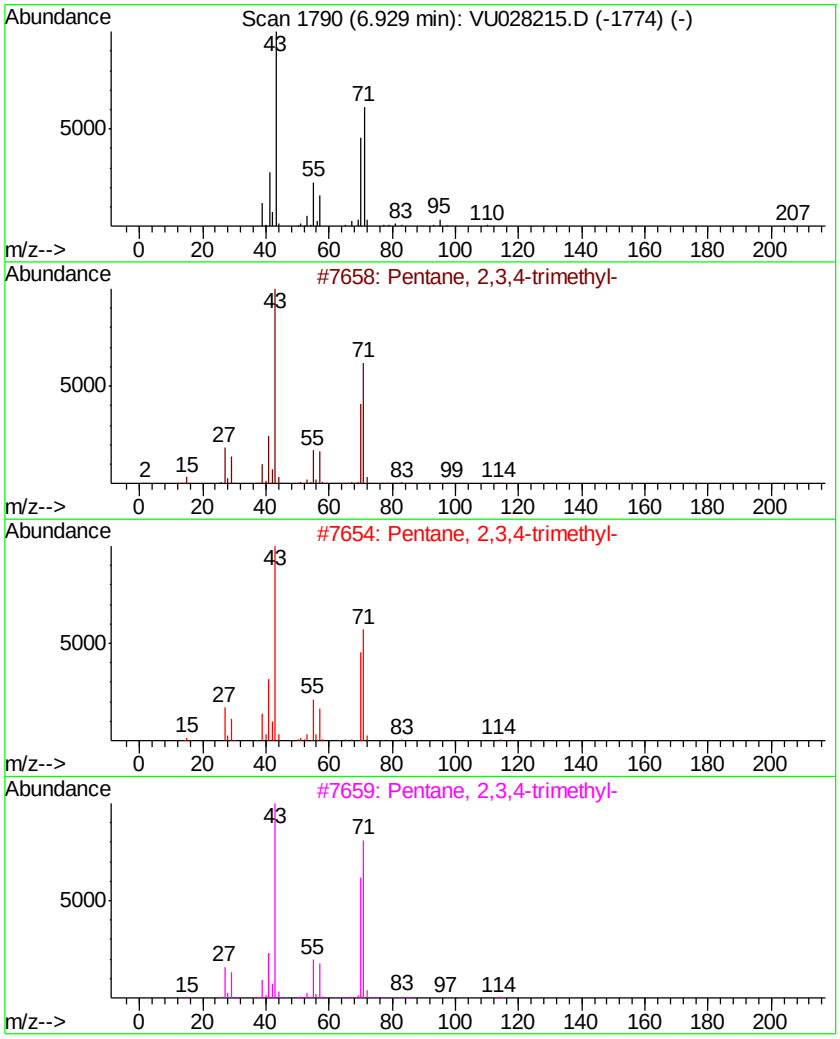
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

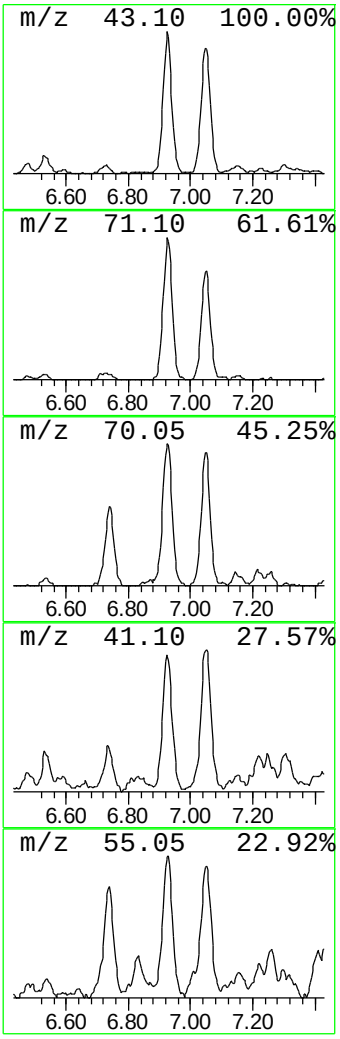
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	1.70 ug/L	135622	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	56





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Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

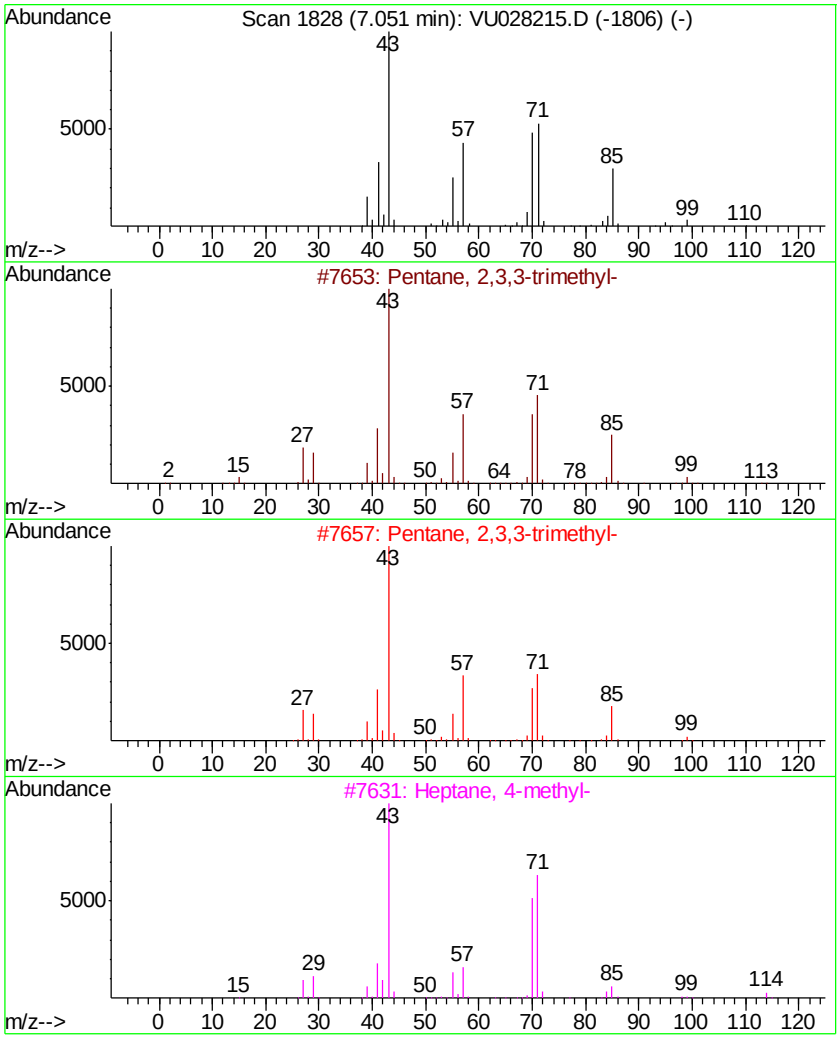
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

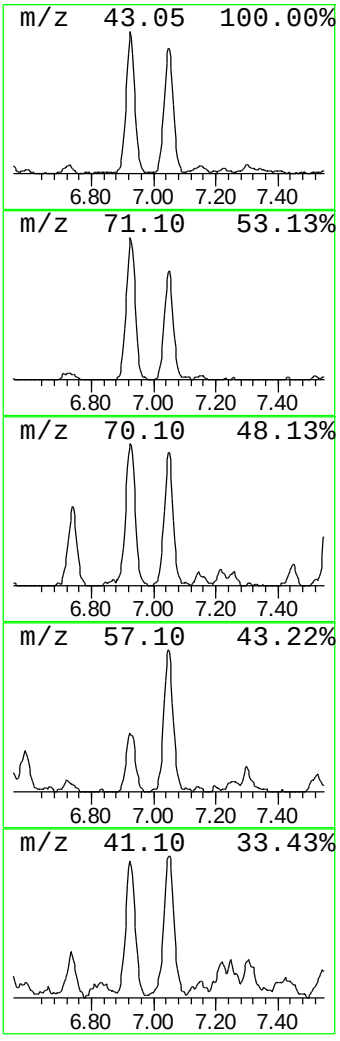
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	1.97 ug/L	156409	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

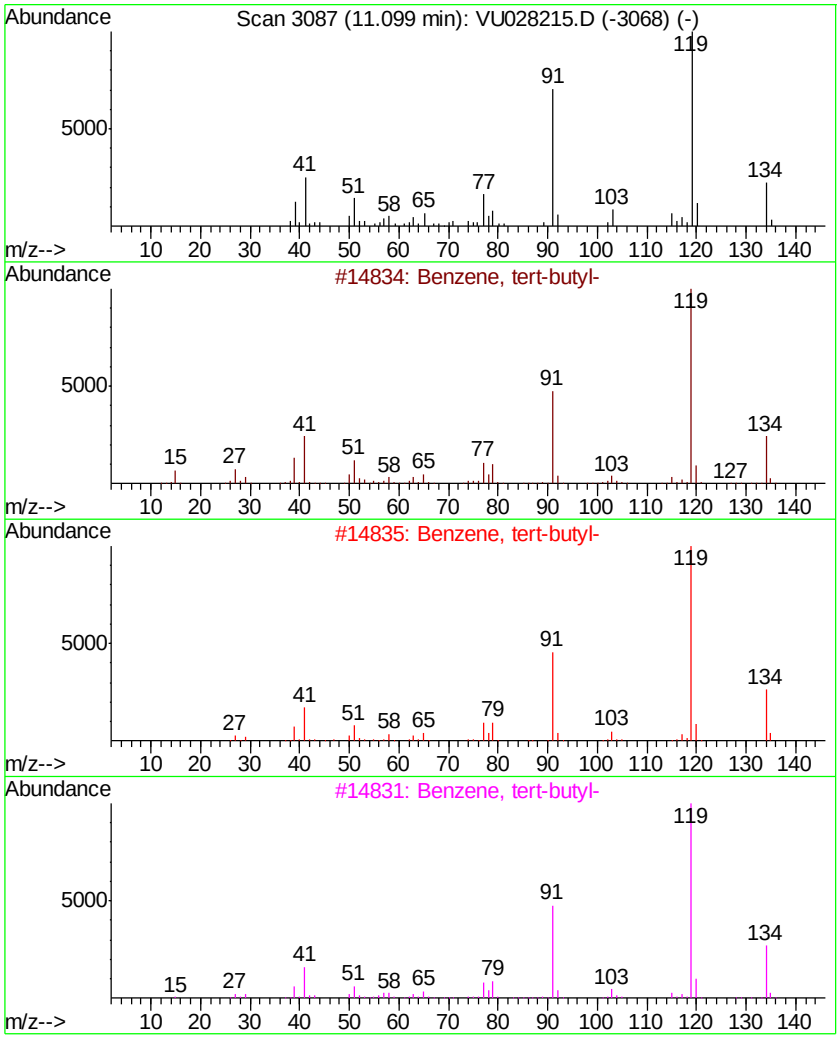
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

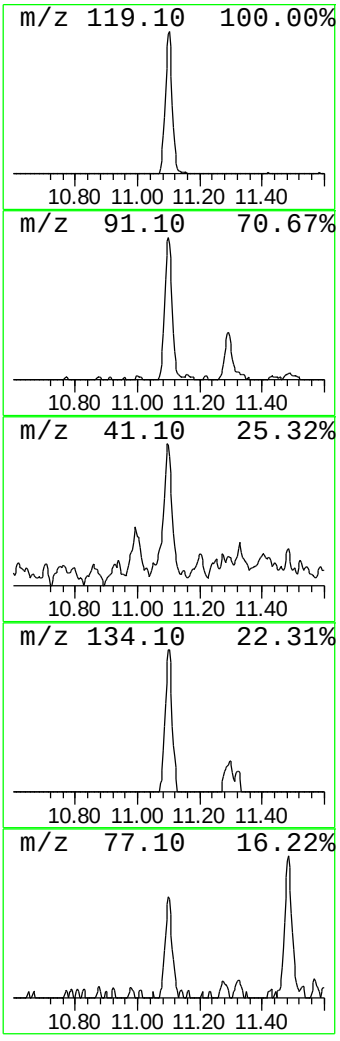
****

Peak Number 11 Benzene, tert-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	0.76 ug/L	74077	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	94
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	90
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	90
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

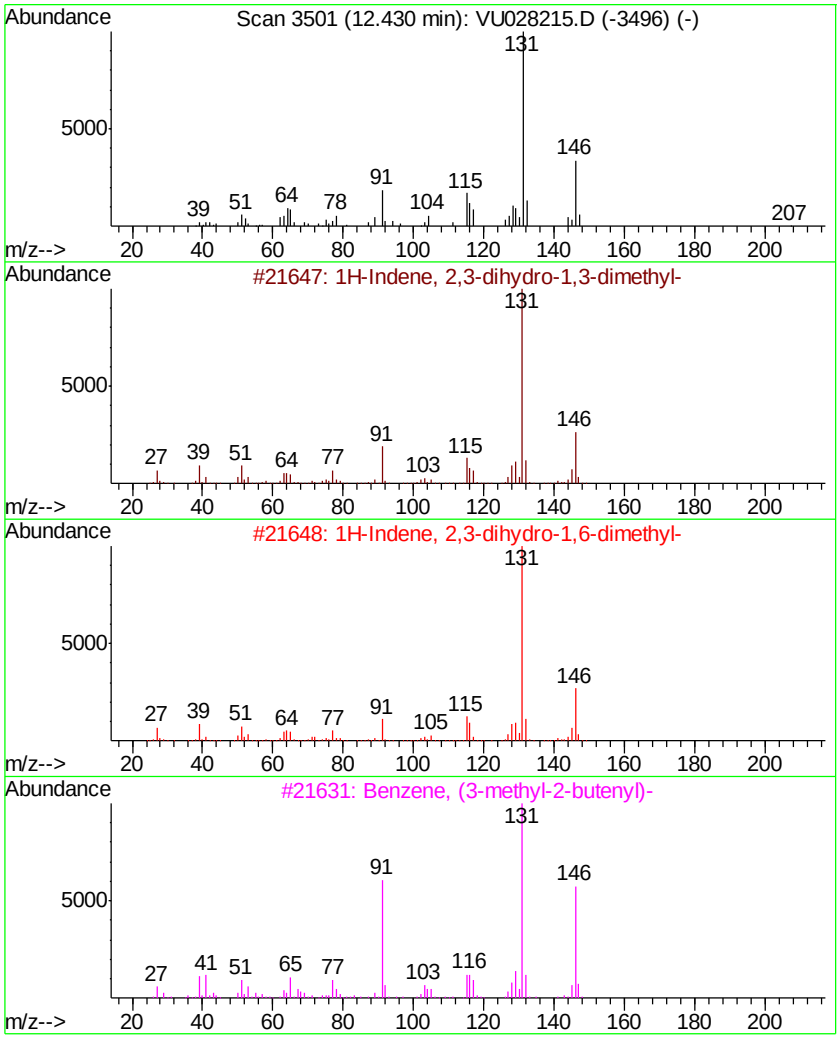
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

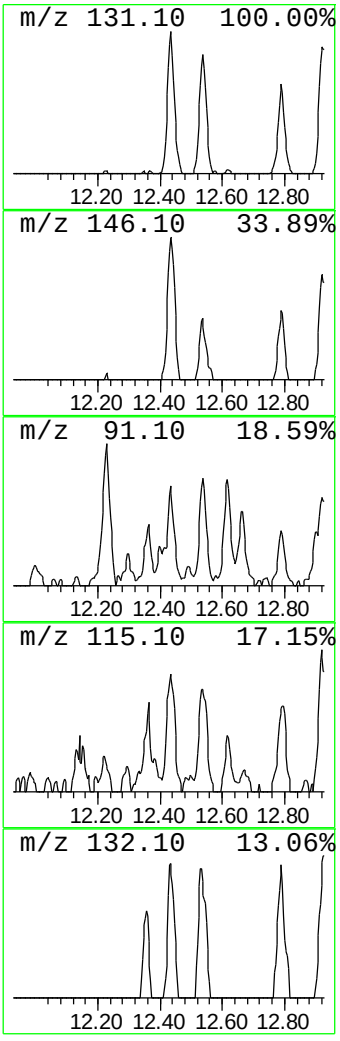
****

Peak Number 12 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	0.50 ug/L	48963	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91





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Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

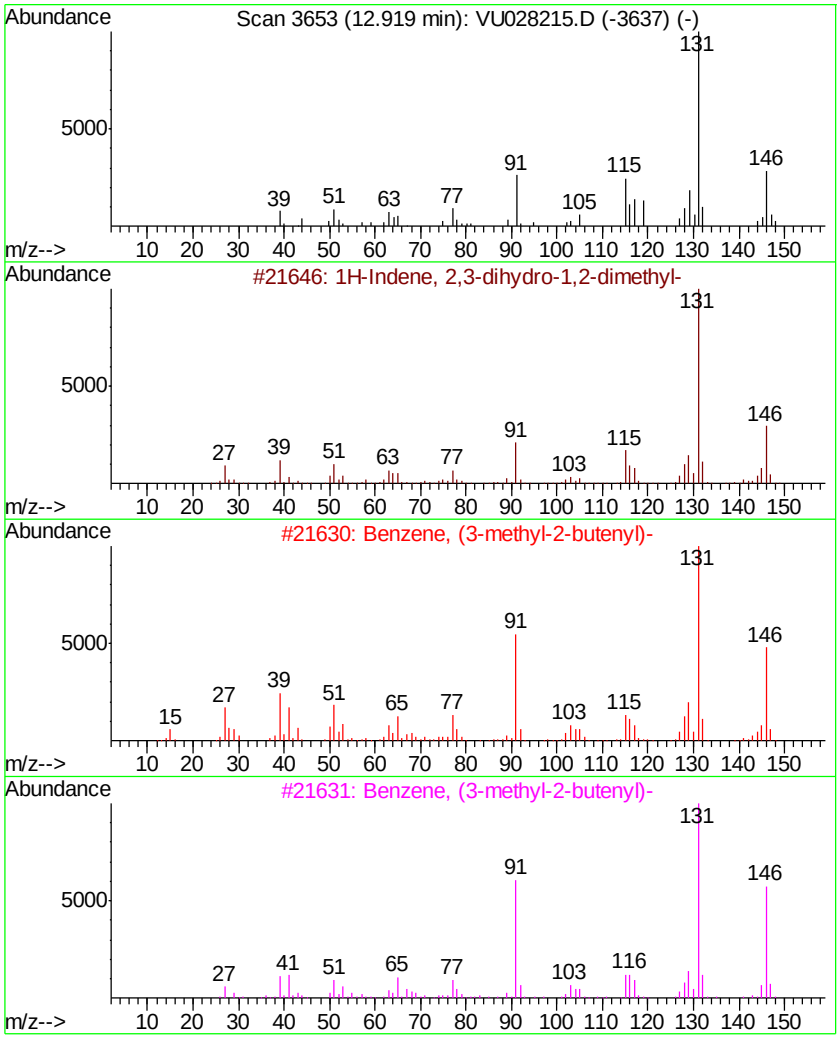
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

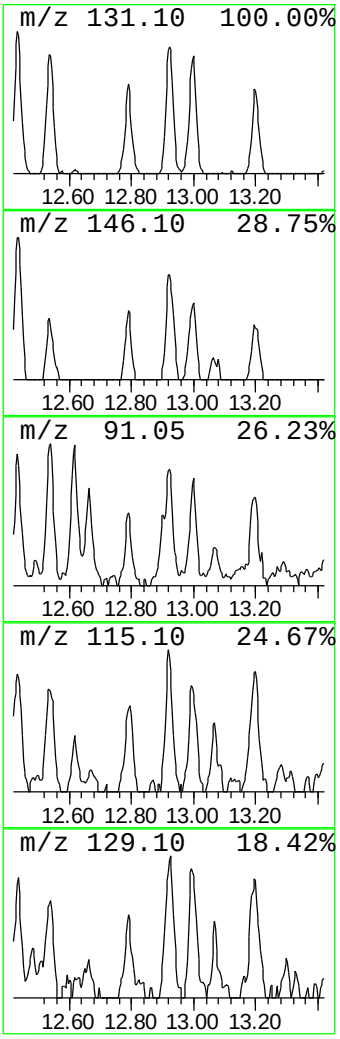
****

Peak Number 13 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	0.57 ug/L	54969	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87





Library Search Compound Report

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Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

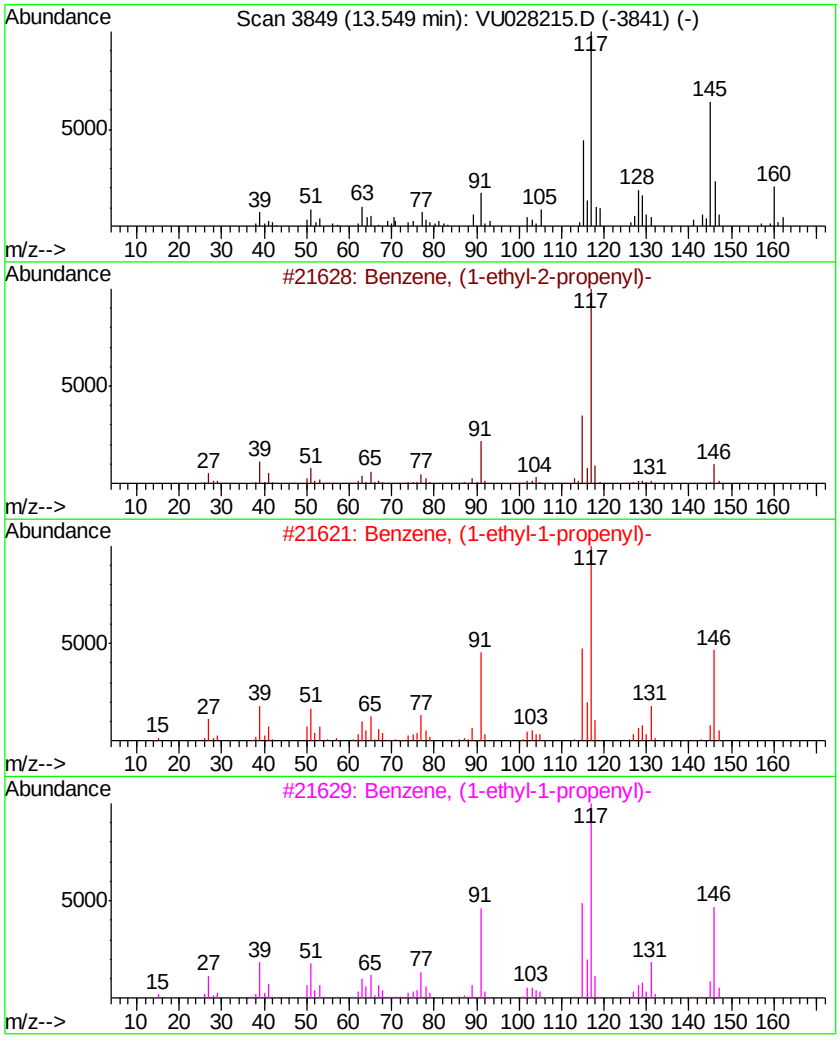
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

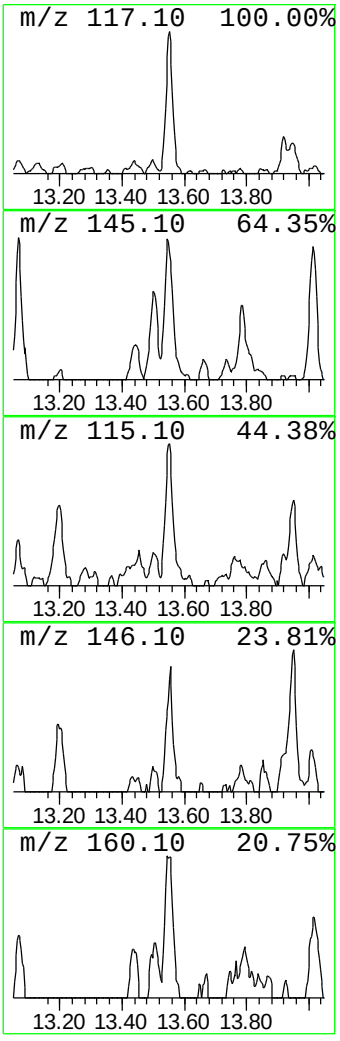
****

Peak Number 14 Benzene, (1-ethyl-2-propenyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	0.69 ug/L	67012	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	58
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	52
3	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	52
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	46
5	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	46





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Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

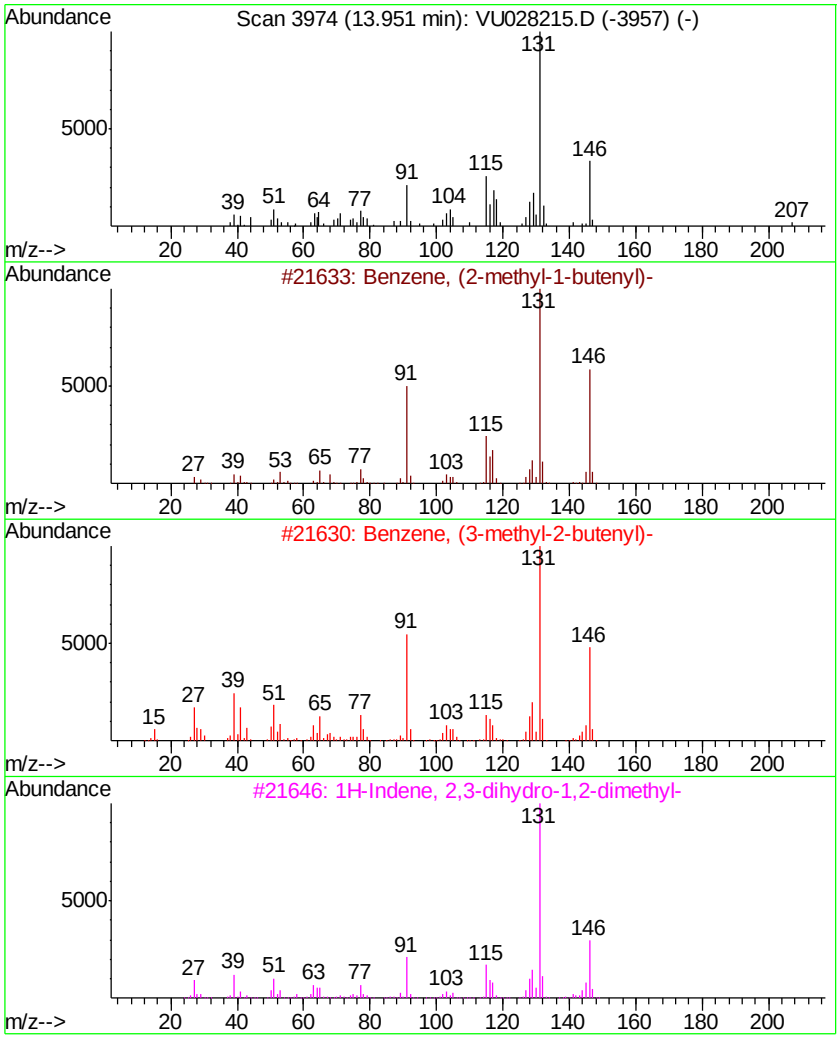
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

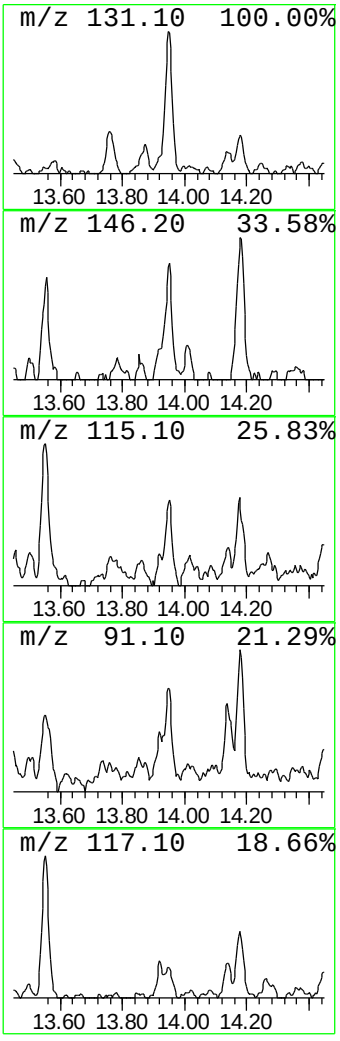
****

Peak Number 15 Benzene, (2-methyl-1-butenyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	0.58 ug/L	55859	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	76





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Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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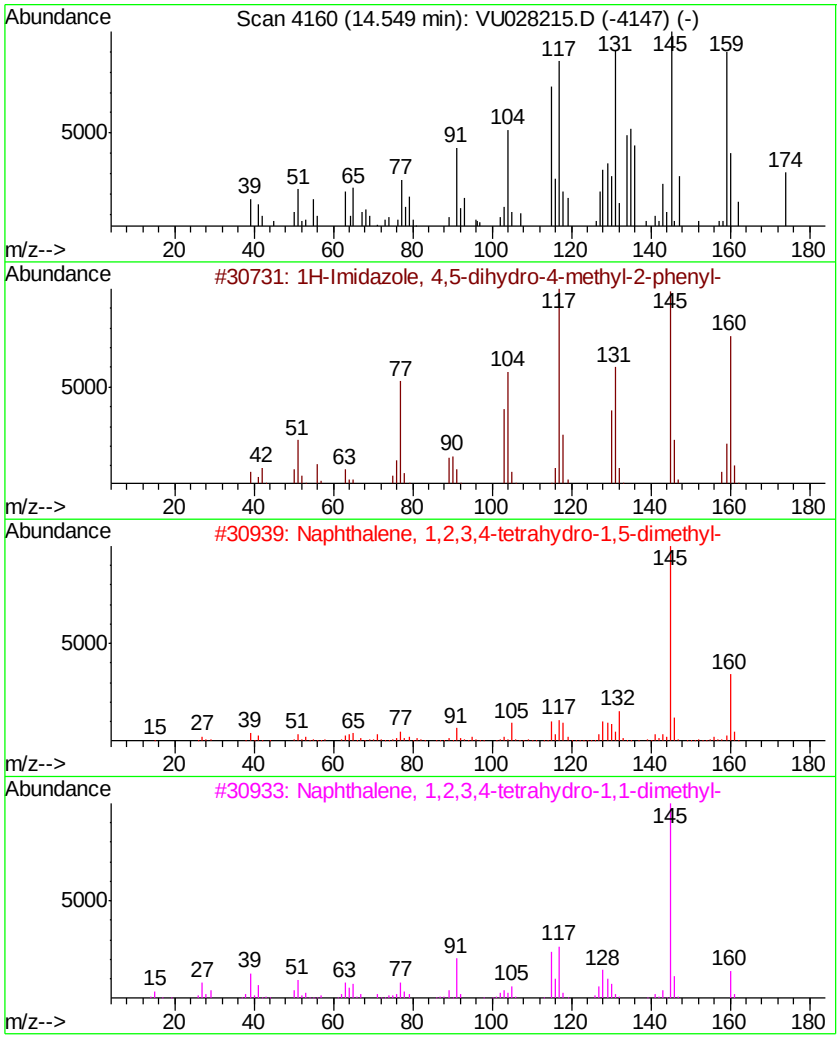
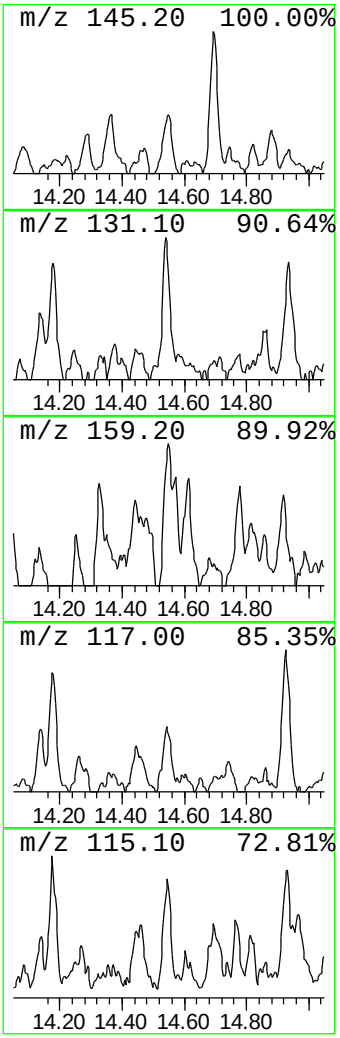
Peak Number 16 1H-Imidazole, 4,5-dihydro-4... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	0.53 ug/L	51244	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazole, 4,5-dihydro-4-meth...	160	C10H12N2	000939-06-0	70
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	30
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	25
4	Benzene, (2,4-dimethylcyclopentyl)-	174	C13H18	074421-27-5	25
5	2H-Indeno[2,1-b]furan-2-one, 3,3...	174	C11H10O2	080343-98-2	25





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Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

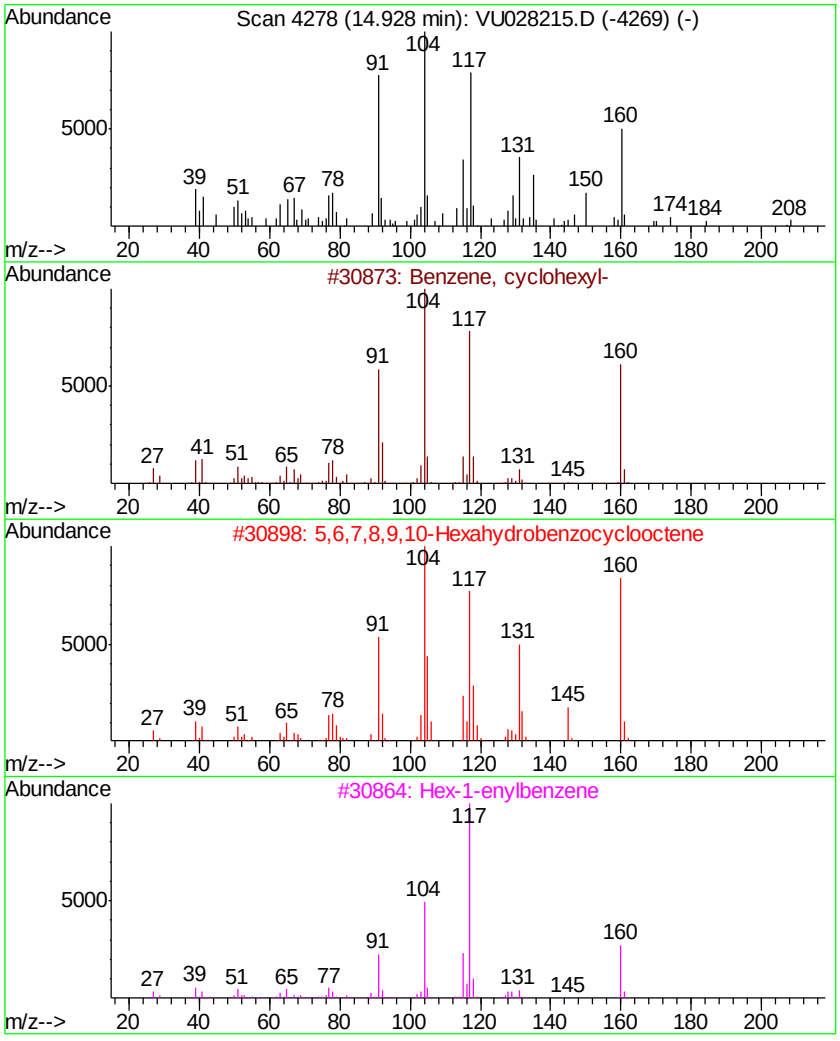
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

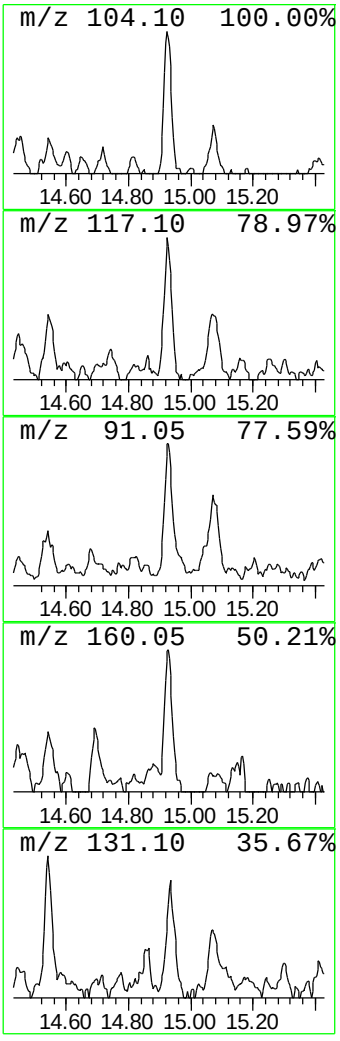
****

Peak Number 17 Benzene, cyclohexyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	0.61 ug/L	58681	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclohexyl-	160	C12H16	000827-52-1	76
2	5,6,7,8,9,10-Hexahydrobenzocyclo...	160	C12H16	001076-69-3	72
3	Hex-1-enylbenzene	160	C12H16	000828-15-9	68
4	Benzene, cyclohexyl-	160	C12H16	000827-52-1	64
5	Benzene, cyclohexyl-	160	C12H16	000827-52-1	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

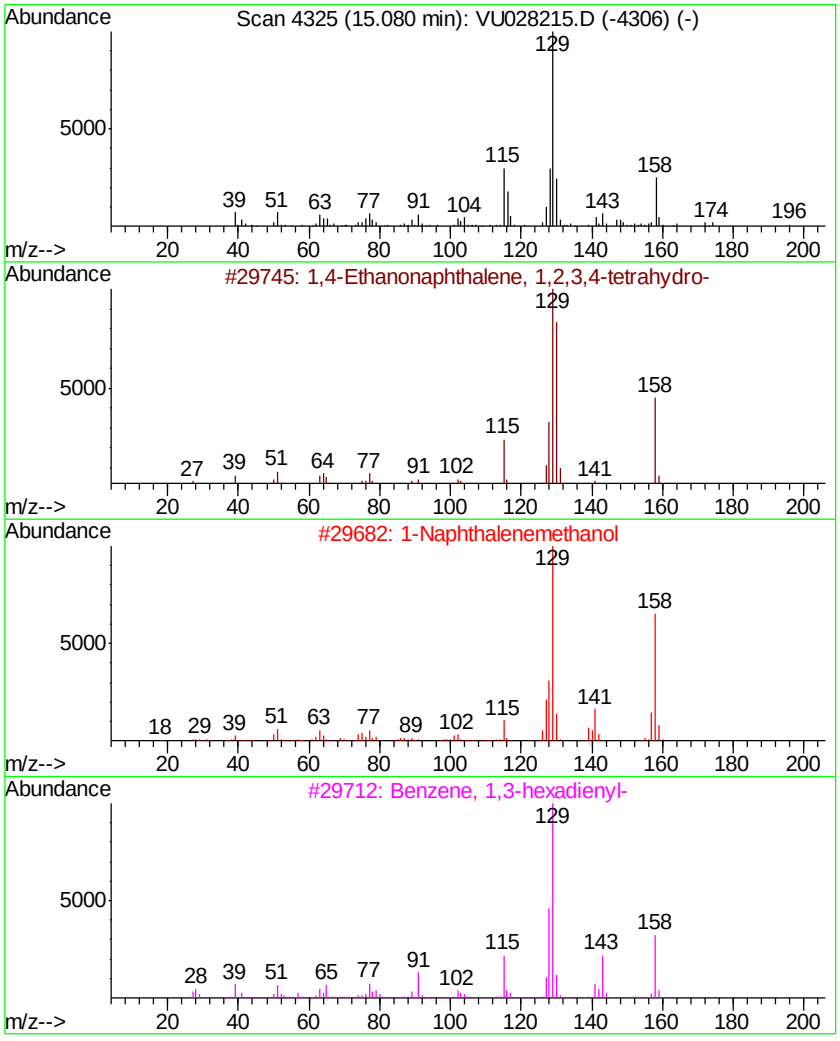
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

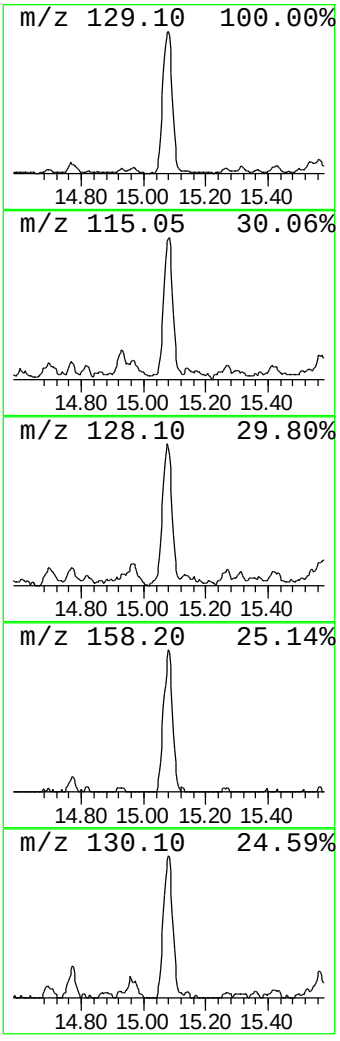
****

Peak Number 18 1,4-Ethanonaphthalene, 1,2,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	2.34 ug/L	227327	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Ethanonaphthalene, 1,2,3,4-t...	158	C12H14	004175-52-4	74
2	1-Naphthalenemethanol	158	C11H10O	004780-79-4	64
3	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	53
4	1-Naphthalenemethanol	158	C11H10O	004780-79-4	50
5	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

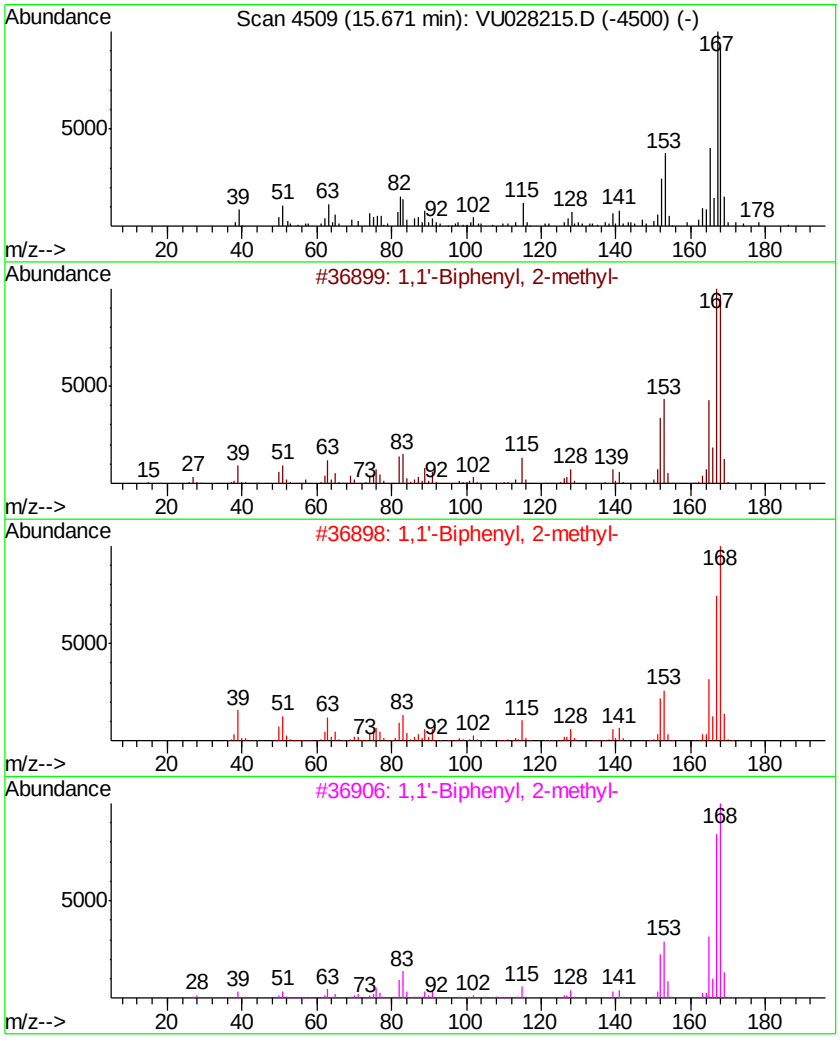
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

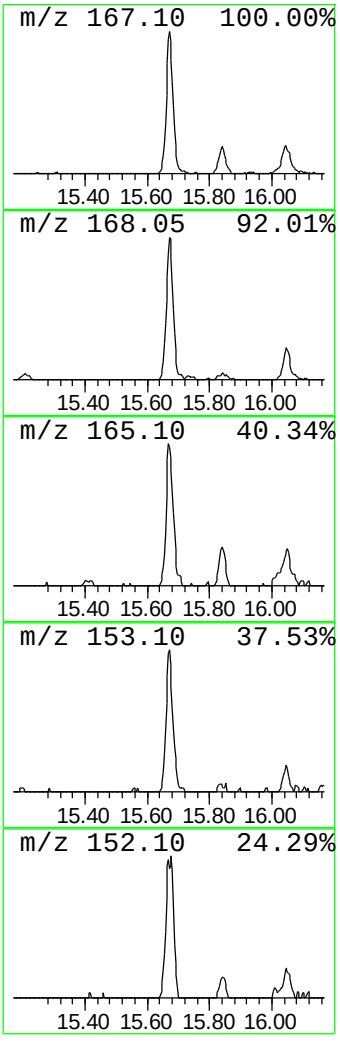
****

Peak Number 19 1,1'-Biphenyl, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	1.13 ug/L	109426	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	96
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	92
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
4	Diphenylmethane	168	C13H12	000101-81-5	90
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	89





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

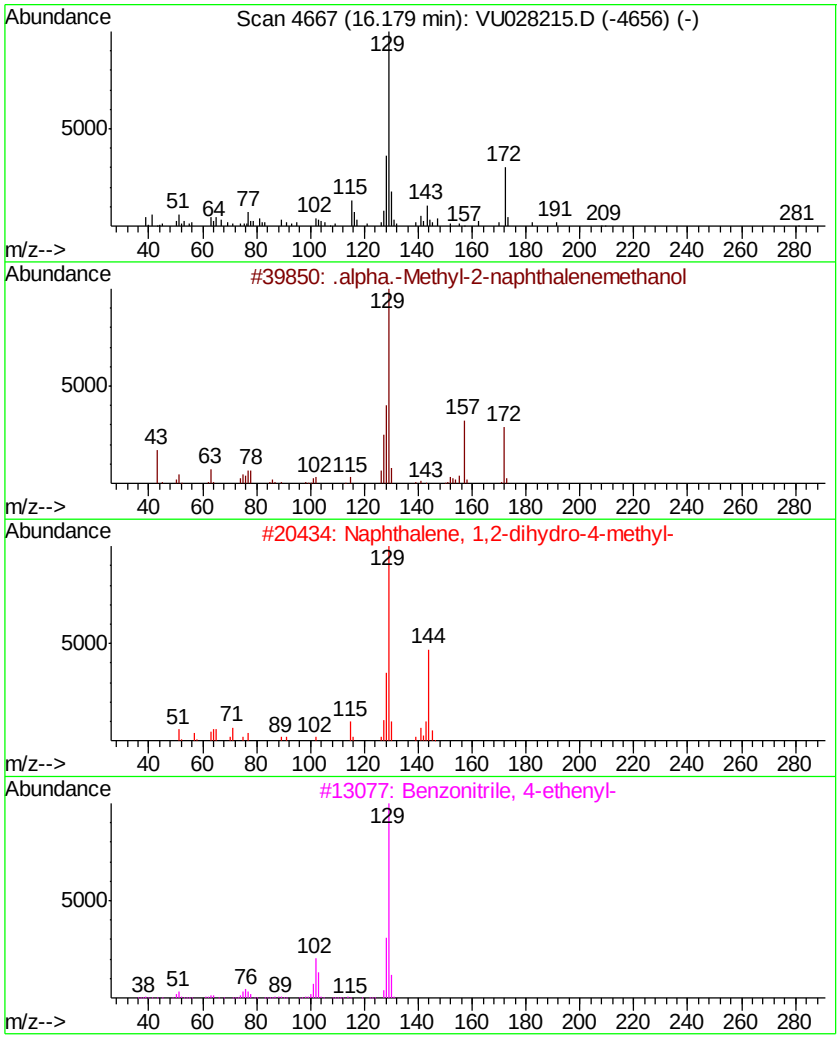
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0

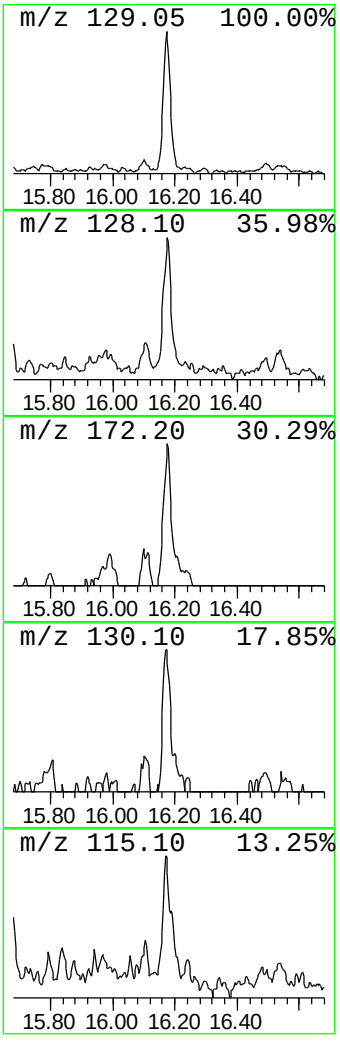
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 .alpha.-Methyl-2-naphthalen... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	0.64 ug/L	62135	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methyl-2-naphthalenemeth...	172	C12H12O	007228-47-9	64
2	Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	53
3	Benzonitrile, 4-ethenyl-	129	C9H7N	003435-51-6	52
4	.alpha.-Methyl-2-naphthalenemeth...	172	C12H12O	007228-47-9	50
5	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111618\
Data File : VU028215.D
Acq On : 17 Nov 2018 04:28
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.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...	2.71	0.6	ug/L	46375	1	5.89	397984	5.0
(DEL) Alkane: Str...	3.99	1.1	ug/L	86417	1	5.89	397984	5.0
(DEL) Alkane: Cyc...	4.73	0.5	ug/L	39851	1	5.89	397984	5.0
(DEL) Alkane: Str...	5.08	1.9	ug/L	148958	1	5.89	397984	5.0
unknown-01	5.26	0.5	ug/L	41290	1	5.89	397984	5.0
(DEL) Alkane: Str...	5.53	2.8	ug/L	222750	1	5.89	397984	5.0
(DEL) Alkane: Cyc...	6.74	0.5	ug/L	42182	1	5.89	397984	5.0
(DEL) Alkane: Str...	6.93	1.7	ug/L	135622	1	5.89	397984	5.0
(DEL) Alkane: Str...	7.05	2.0	ug/L	156409	1	5.89	397984	5.0
Benzene, tert-butyl-	11.10	0.8	ug/L	74077	3	11.48	484825	5.0
1H-Indene, 2,3-di...	12.43	0.5	ug/L	48963	3	11.48	484825	5.0
1H-Indene, 2,3-di...	12.92	0.6	ug/L	54969	3	11.48	484825	5.0
Benzene, (1-ethyl...	13.55	0.7	ug/L	67012	3	11.48	484825	5.0
Benzene, (2-methy...	13.95	0.6	ug/L	55859	3	11.48	484825	5.0
1H-Imidazole, 4,5...	14.55	0.5	ug/L	51244	3	11.48	484825	5.0
Benzene, cyclohexyl-	14.93	0.6	ug/L	58681	3	11.48	484825	5.0
1,4-Ethanonaphtha...	15.08	2.3	ug/L	227327	3	11.48	484825	5.0
1,1'-Biphenyl, 2-...	15.67	1.1	ug/L	109426	3	11.48	484825	5.0
.alpha.-Methyl-2-...	16.18	0.6	ug/L	62135	3	11.48	484825	5.0