LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 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\SOMUTR111718WMA.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	1.402	63	71	79	rBV	75496	86757	15.24%	1.301%
2	1.684	152	159	177	rVB	63396	82981	14.58%	1.245%
3	2.276	331	343	370	rBV3	108273	237532	41.72%	3.563%
4	2.707	464	477	491	rBV4	18277	39035	6.86%	0.586%
5	2.794	496	504	511	rBV8	3964	6207	1.09%	0.093%
6	3.009	556	571	589	rVB2	124121	280084	49.20%	4.201%
7	3.855	817	834	846	rBV6	4022	11067	1.94%	0.166%
8	3.990	859	876	899	rVB3	21395	62177	10.92%	0.933%
9	4.208	924	944	975	rBV	91048	286139	50.26%	4.292%
10	4.655	1065	1083	1096	rBV	82755	194072	34.09%	2.911%
11	4.729	1097	1106	1120	rVB5	11161	28404	4.99%	0.426%
12	5.080	1195	1215	1232	rBV2	41463	101661	17.86%	1.525%
13	5.257	1255	1270	1277	rBV3	12809	26951	4.73%	0.404%
14	5.340	1277	1296	1310	rVV3	165901	438628	77.05%	6.579%
15	5.533	1343	1356	1371	rVV	61907	148863	26.15%	2.233%
16	5.604	1373	1378	1392	rVB5	5103	9551	1.68%	0.143%
17	5.890	1453	1467	1479	rBV	154582	305318	53.63%	4.580%
18	6.208	1553	1566	1579	rVB10	7887	19600	3.44%	0.294%
19	6.334	1592	1605	1618	rBV2	114927	232554	40.85%	3.488%
20	6.482	1640	1651	1657	rBV10	5247	9953	1.75%	0.149%
21	6.533	1659	1667	1676	rVV6	9333	17672	3.10%	0.265%
22	6.588	1676	1684	1695	rVB4	3603	6732	1.18%	0.101%
23	6.736	1712	1730	1743	rBB5	12680	28094	4.93%	0.421%
24	6.922	1774	1788	1805	rVB2	46451	93460	16.42%	1.402%
25	7.048	1807	1827	1842	rBV	54087	115568	20.30%	1.734%
26	7.228	1868	1883	1900	rBV	62341	129622	22.77%	1.944%
27	7.308	1900	1908	1927	rVV6	7461	18834	3.31%	0.283%
28	7.433	1927	1947	1959	rVB6	9718	26441	4.64%	0.397%
29	7.565	1965	1988	2005	rBV2	225141	405355	71.20%	6.080%
30	7.710	2023	2033	2043	rBV4	7153	14655	2.57%	0.220%
31	7.806	2051	2063	2067	rBV9	3983	7562	1.33%	0.113%
32	7.855	2068	2078	2090	rVB2	31784	55227	9.70%	0.828%
33	8.096	2143	2153	2169	rBV2	14906	28005	4.92%	0.420%
34	8.318	2203	2222	2237	rBV	311560	569283	100.00%	8.539%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 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\SOMUTR111718WMA.M
Title : TRACE VOA SOM01.0

35	8.466	2261	2268	2285	rVB4	13312	22375	3.93%	0.336%
36	8.642	2313	2323	2333	rVB6	5143	10076	1.77%	0.151%
37	8.761	2349	2360	2375	rBV6	14136	24107	4.23%	0.362%
38	9.089	2448	2462	2475	rBV	230333	384753	67.59%	5.771%
39	9.215	2491	2501	2508	rVB6	9449	15072	2.65%	0.226%
40	9.363	2535	2547	2564	rVB6	10164	26112	4.59%	0.392%
41	10.044	2753	2759	2773	rVB9	4153	9611	1.69%	0.144%
42	10.372	2851	2861	2868	rBV10	4333	7077	1.24%	0.106%
43	10.433	2870	2880	2892	rBV	84417	138283	24.29%	2.074%
44	10.996	3044	3055	3066	rBV	8137	16302	2.86%	0.245%
45	11.099	3075	3087	3097	rVB2	29752	49096	8.62%	0.736%
46	11.327	3154	3158	3170	rVB10	6041	9231	1.62%	0.138%
47	11.485	3195	3207	3220	rBV	225016	357243	62.75%	5.359%
48	11.684	3258	3269	3274	rBV7	4394	6139	1.08%	0.092%
49	11.861	3308	3324	3339	rBV3	246000	421904	74.11%	6.328%
50	12.227	3423	3438	3450	rBV6	12443	25608	4.50%	0.384%
51	12.295	3450	3459	3472	rVV6	10924	24565	4.32%	0.368%
52	12.363	3472	3480	3486	rVV8	5716	10594	1.86%	0.159%
53	12.404	3486	3493	3494	rVV5	7229	8086	1.42%	0.121%
54	12.433	3495	3502	3511	rVV2	21595	36792	6.46%	0.552%
55	12.491	3511	3520	3526	rVV2	4830	10111	1.78%	0.152%
56	12.539	3527	3535	3544	rVB4	20333	30173	5.30%	0.453%
57	12.620	3552	3560	3568	rBV7	11579	22011	3.87%	0.330%
58	12.671	3571	3576	3587	rVB7	10873	18142	3.19%	0.272%
59	12.790	3602	3613	3623	rVB3	13729	22054	3.87%	0.331%
60	12.919	3639	3653	3665	rBV4	19044	41989	7.38%	0.630%
61	12.999	3665	3678	3686	rVV2	16893	27676	4.86%	0.415%
62	13.070	3690	3700	3710	rVB2	10785	19118	3.36%	0.287%
63	13.198	3730	3740	3751	rVB4	14460	25046	4.40%	0.376%
64	13.266	3751	3761	3766	rBV4	4109	7490	1.32%	0.112%
65	13.501	3827	3834	3841	rBV8	7343	12629	2.22%	0.189%
66	13.552	3841	3850	3865	rVB4	26153	48539	8.53%	0.728%
67	13.861	3937	3946	3955	rVB8	4403	9006	1.58%	0.135%
68	13.916	3955	3963	3966	rBV8	7178	8327	1.46%	0.125%
69	13.948	3966	3973	3983	rVB4	20207	31136	5.47%	0.467%
70	14.015	3986	3994	4007	rBV4	9713	21280	3.74%	0.319%
71	14.089	4013	4017	4025	rVB8	4975	6260	1.10%	0.094%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 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\SOMUTR111718WMA.M
Title : TRACE VOA SOM01.0

72	14.137	4025	4032	4039	rVV7	9245	15854	2.78%	0.238%
73	14.179	4039	4045	4055	rVB4	22325	32146	5.65%	0.482%
74	14.276	4073	4075	4085	rVB8	6092	8254	1.45%	0.124%
75	14.362	4100	4102	4116	rVB10	5279	7953	1.40%	0.119%
76	14.446	4119	4128	4142	rBV10	8165	20232	3.55%	0.303%
77	14.542	4148	4158	4168	rBV10	16694	29916	5.26%	0.449%
78	14.607	4173	4178	4192	rVB10	7689	13531	2.38%	0.203%
79	14.697	4194	4206	4215	rBV6	11044	23225	4.08%	0.348%
80	14.774	4223	4230	4237	rVB8	6456	8254	1.45%	0.124%
81	14.822	4237	4245	4252	rBV8	10926	16257	2.86%	0.244%
82	14.928	4269	4278	4285	rBV4	23723	39537	6.95%	0.593%
83	15.079	4306	4325	4335	rBV3	65156	151690	26.65%	2.275%
84	15.266	4376	4383	4390	rVB3	6230	9022	1.58%	0.135%
85	15.417	4424	4430	4439	rVB8	7446	11291	1.98%	0.169%
86	15.568	4470	4477	4488	rVB9	9600	18590	3.27%	0.279%
87	15.674	4499	4510	4518	rBV3	45930	73650	12.94%	1.105%
88	15.845	4555	4563	4571	rVV9	8252	12963	2.28%	0.194%
89	16.050	4620	4627	4636	rVB6	7385	12146	2.13%	0.182%
90	16.176	4656	4666	4679	rBV3	21094	41986	7.38%	0.630%
91	16.481	4754	4761	4771	rVB8	9271	15471	2.72%	0.232%
92	16.539	4771	4779	4790	rBV8	8426	16715	2.94%	0.251%

Sum of corrected areas: 6666740

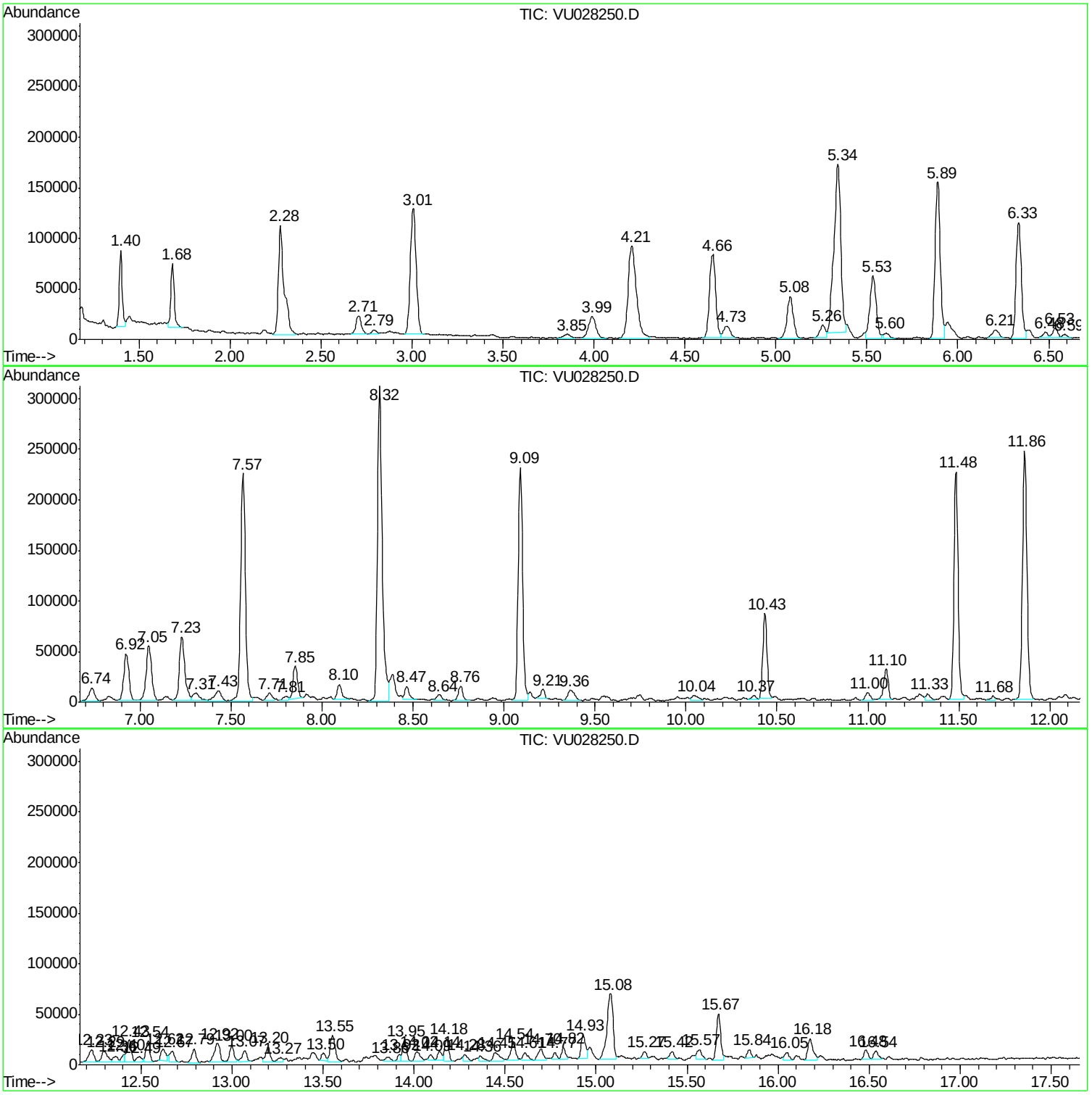
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.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\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

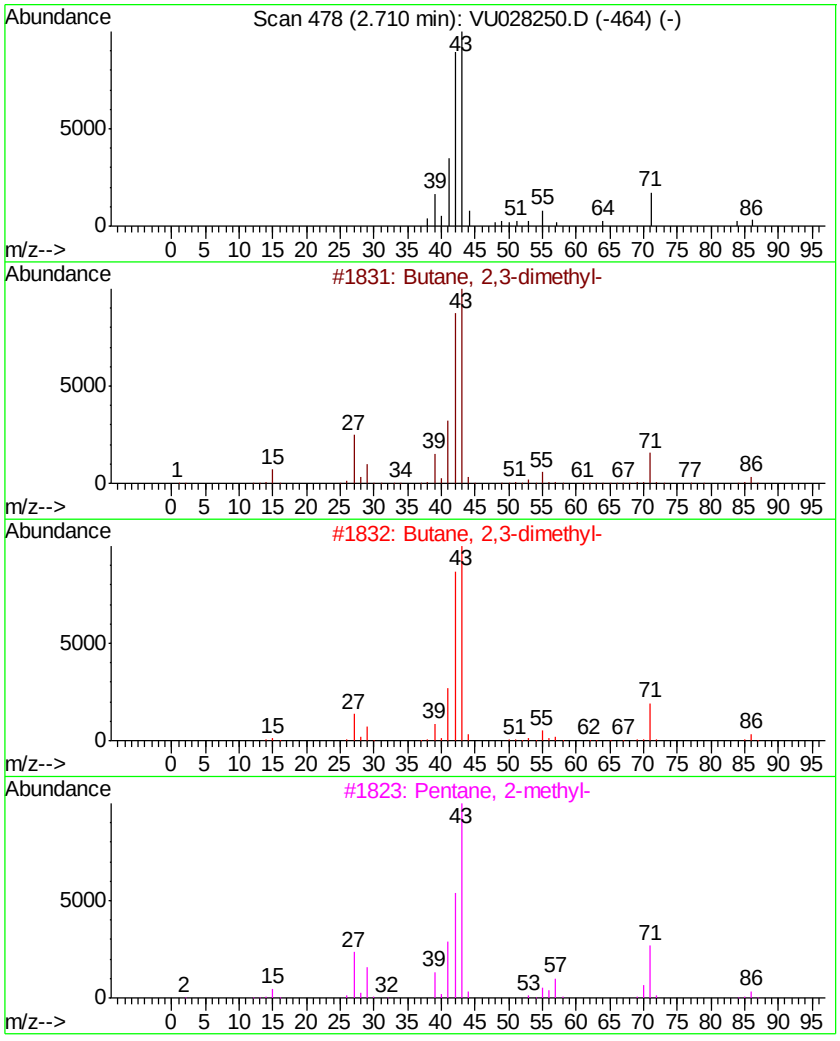
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

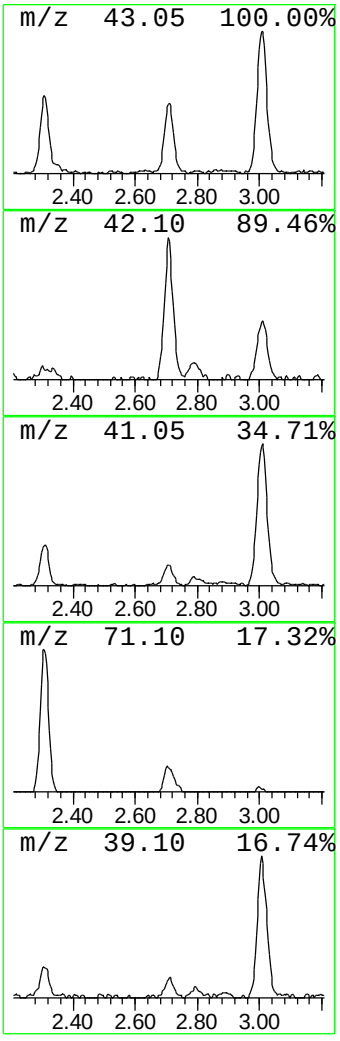
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	0.64 ug/L	39035	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	9
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	9
5	Aziridine, 2-ethyl-	71	C4H9N	002549-67-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

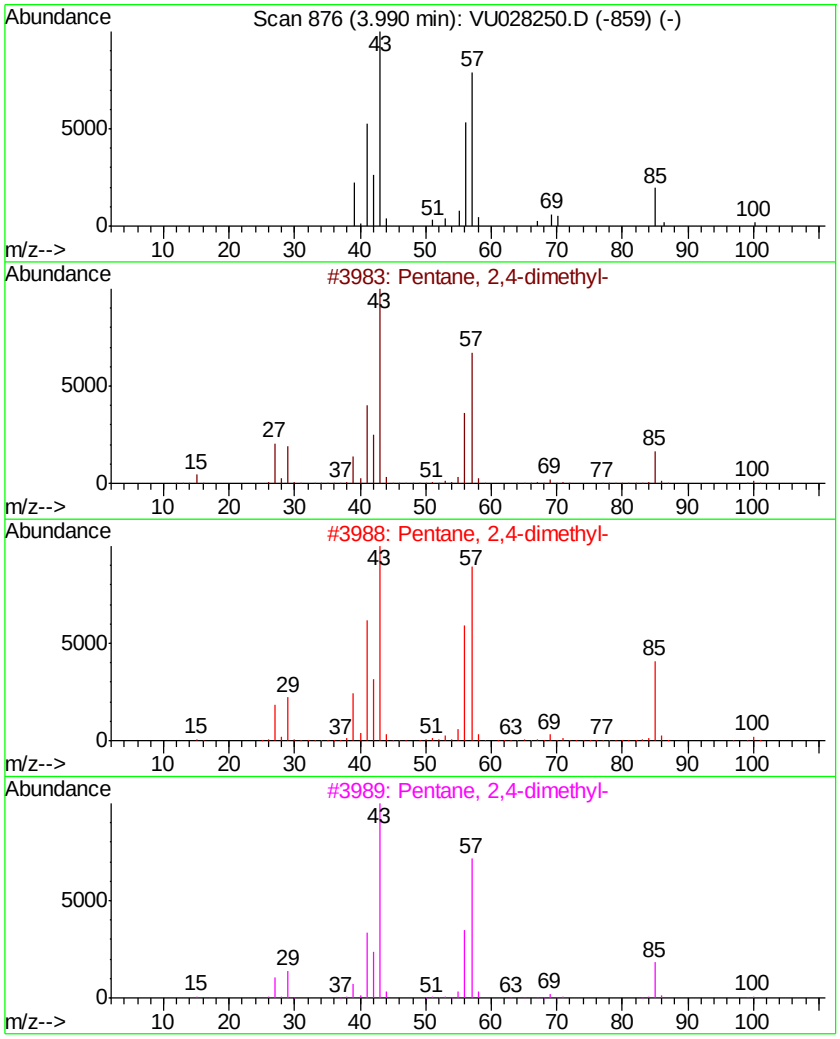
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

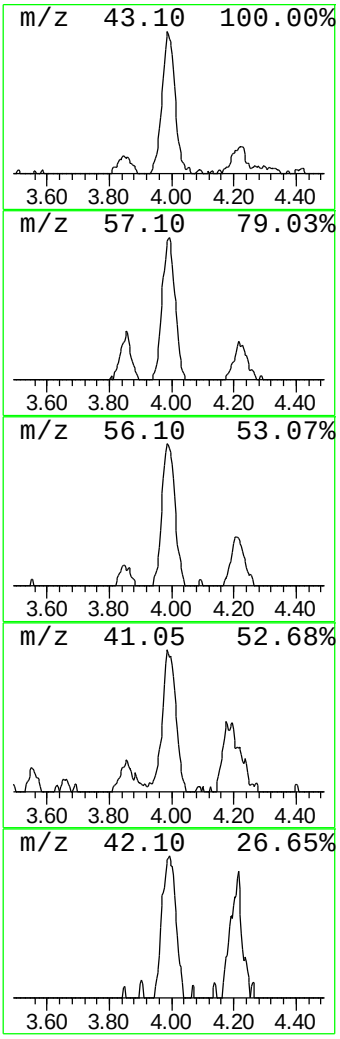
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	1.02 ug/L	62177	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	64
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

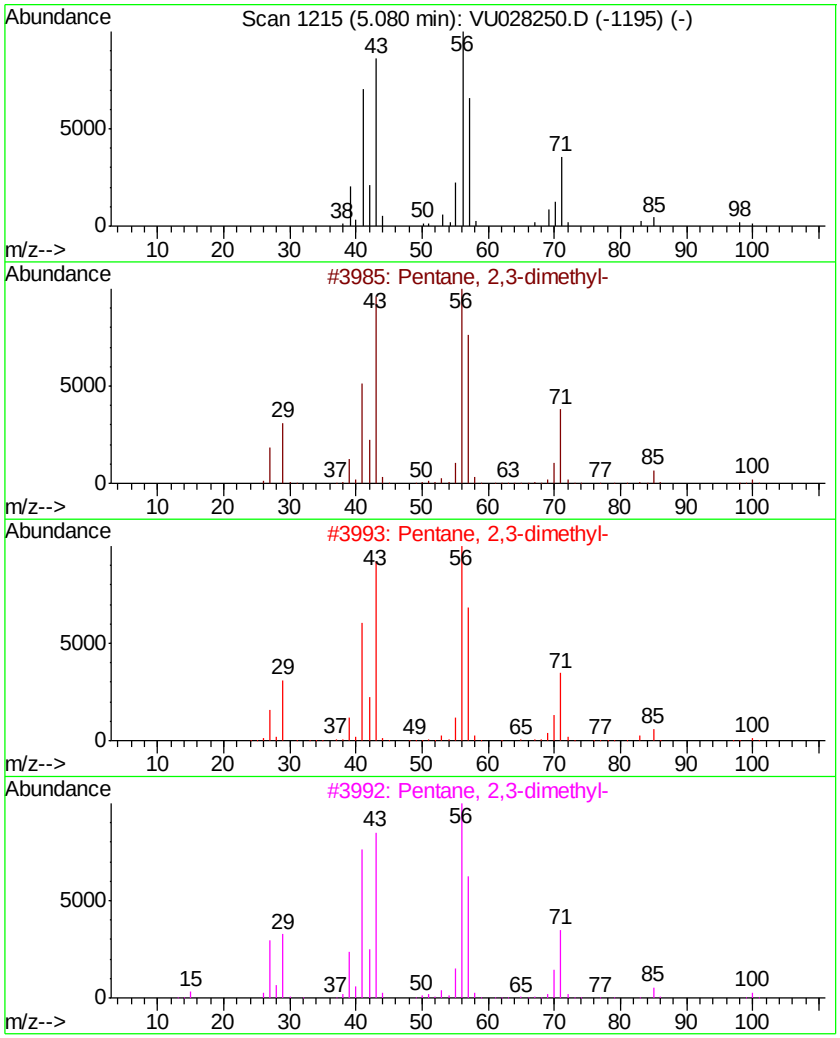
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

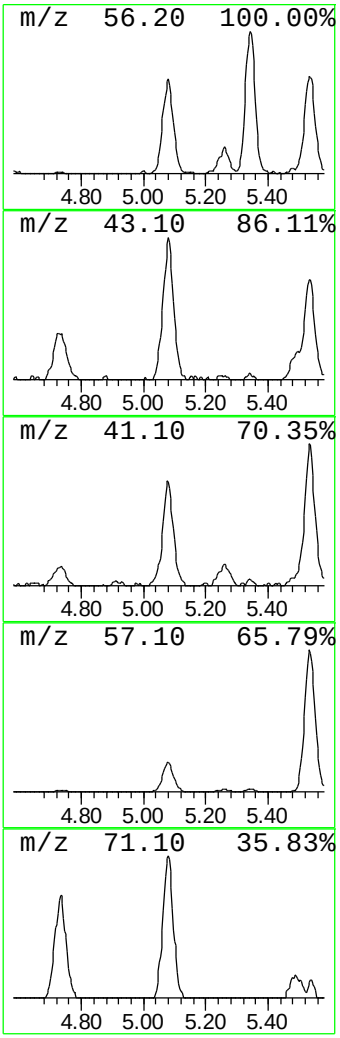
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	1.66 ug/L	101661	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5	Nonane, 5-methylene-	140	C10H20	006795-79-5	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

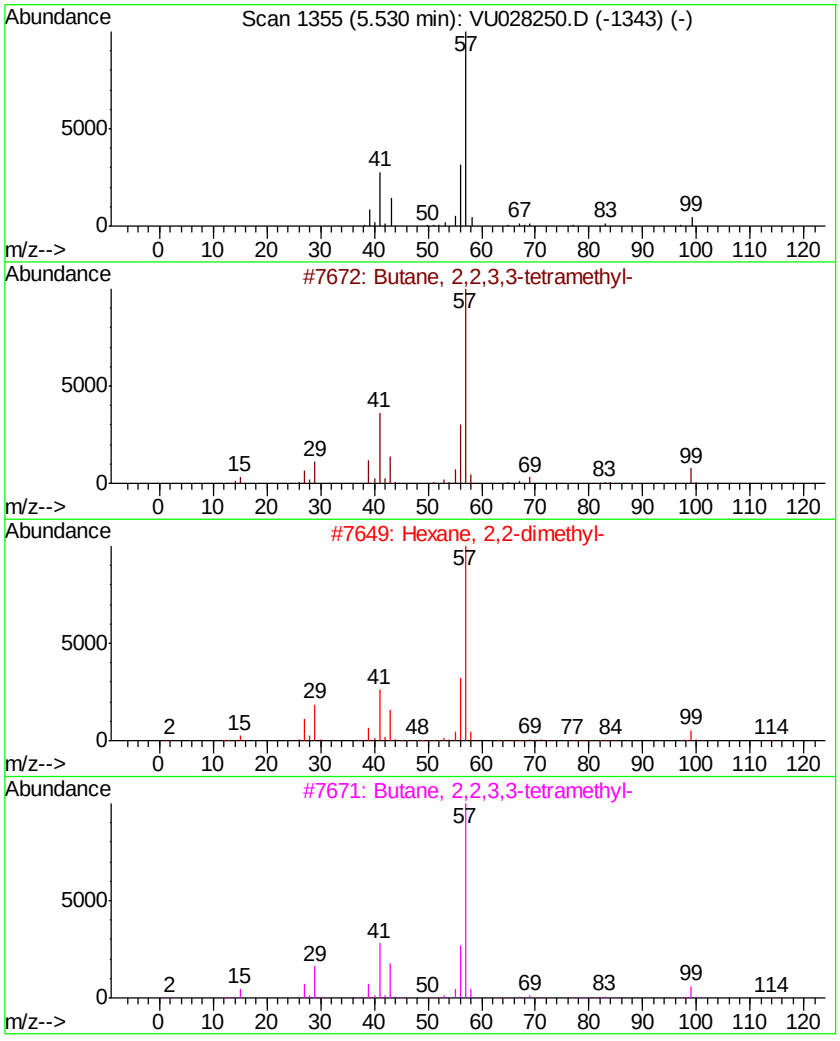
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

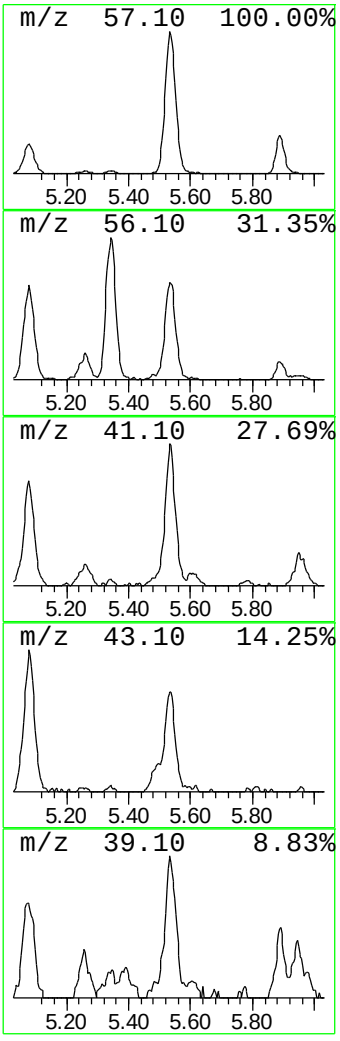
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	2.44 ug/L	148863	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

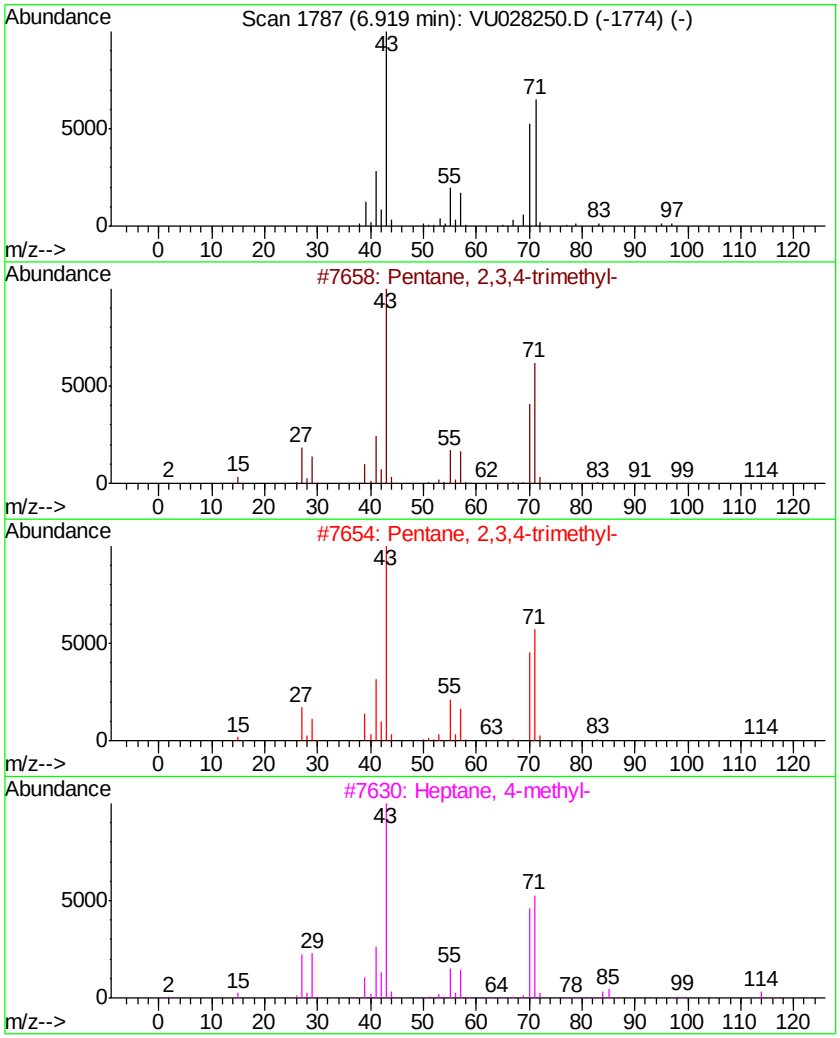
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

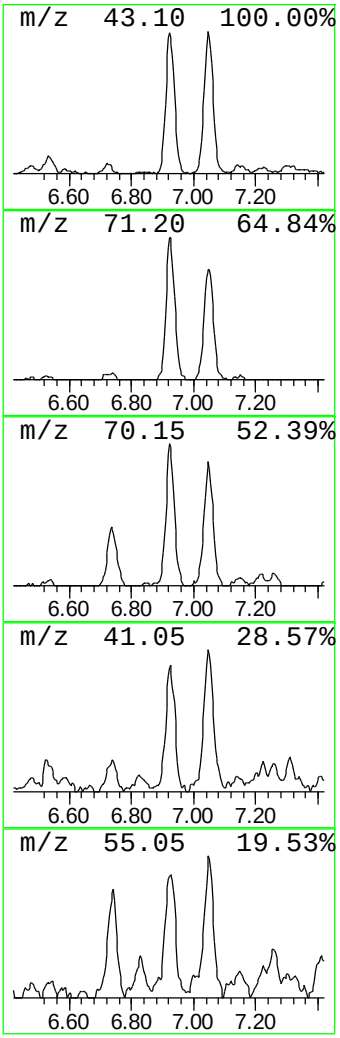
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	1.53 ug/L	93460	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	Heptane, 4-methyl-	114	C8H18	000589-53-7	74
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

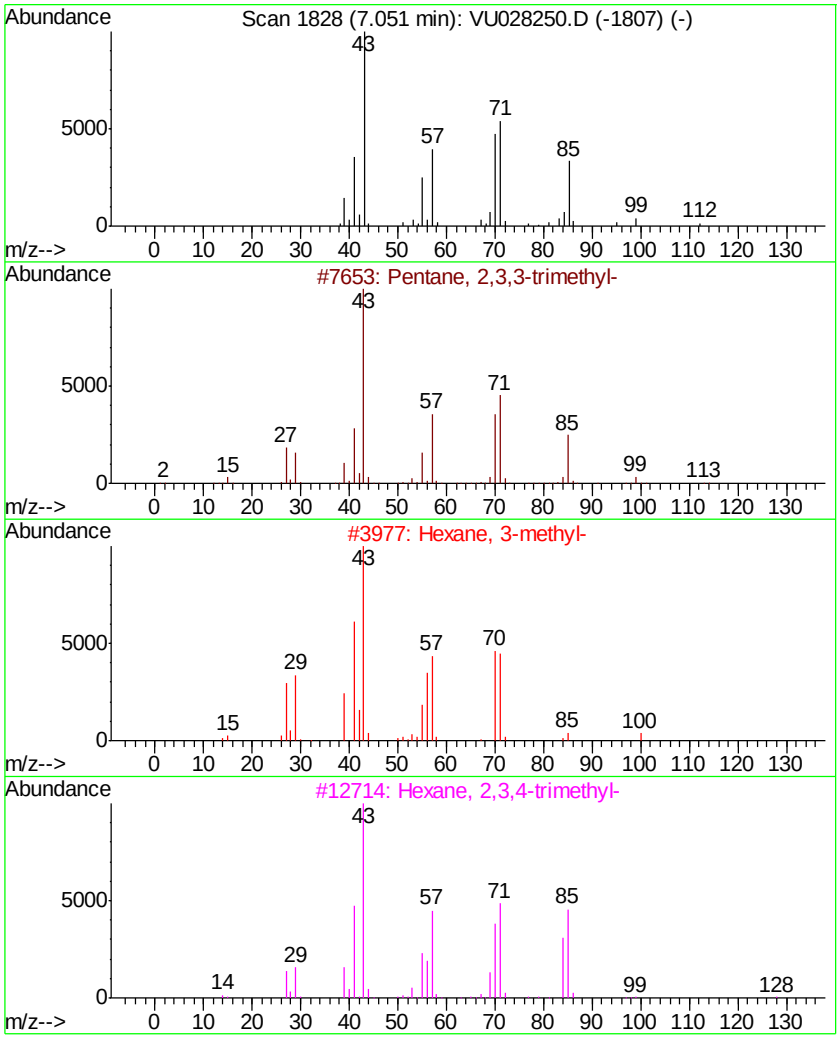
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

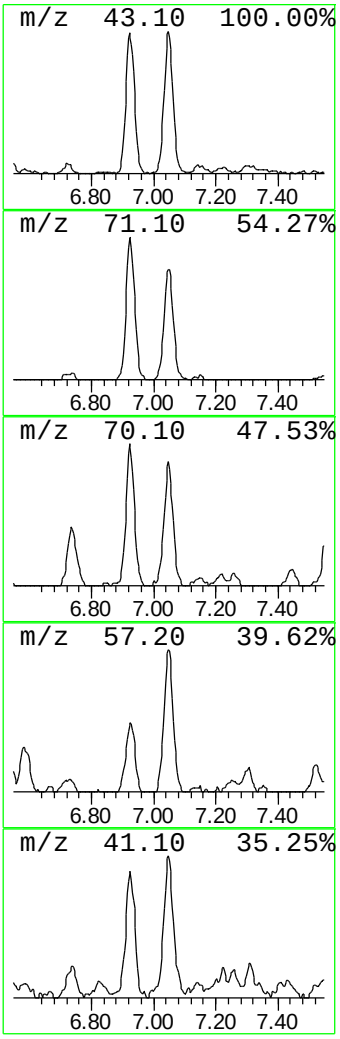
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	1.89 ug/L	115568	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	83
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

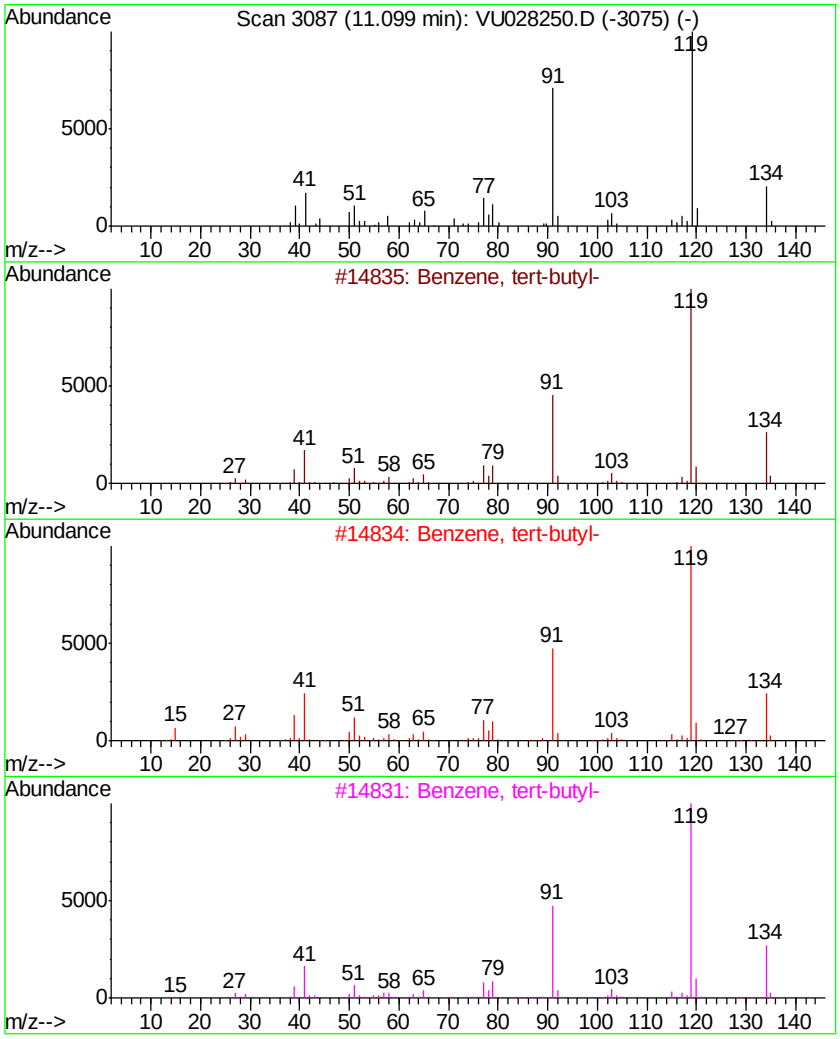
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

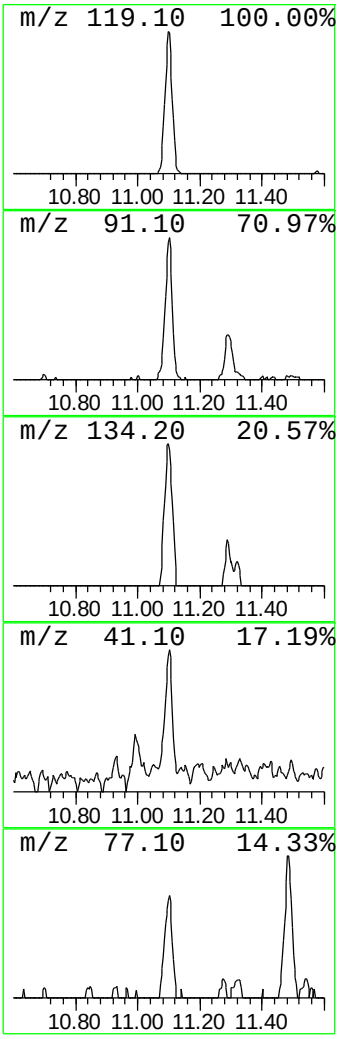
****

Peak Number 8 Benzene, tert-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	0.69 ug/L	49096	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	93
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	91
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	90
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	80
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	72





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Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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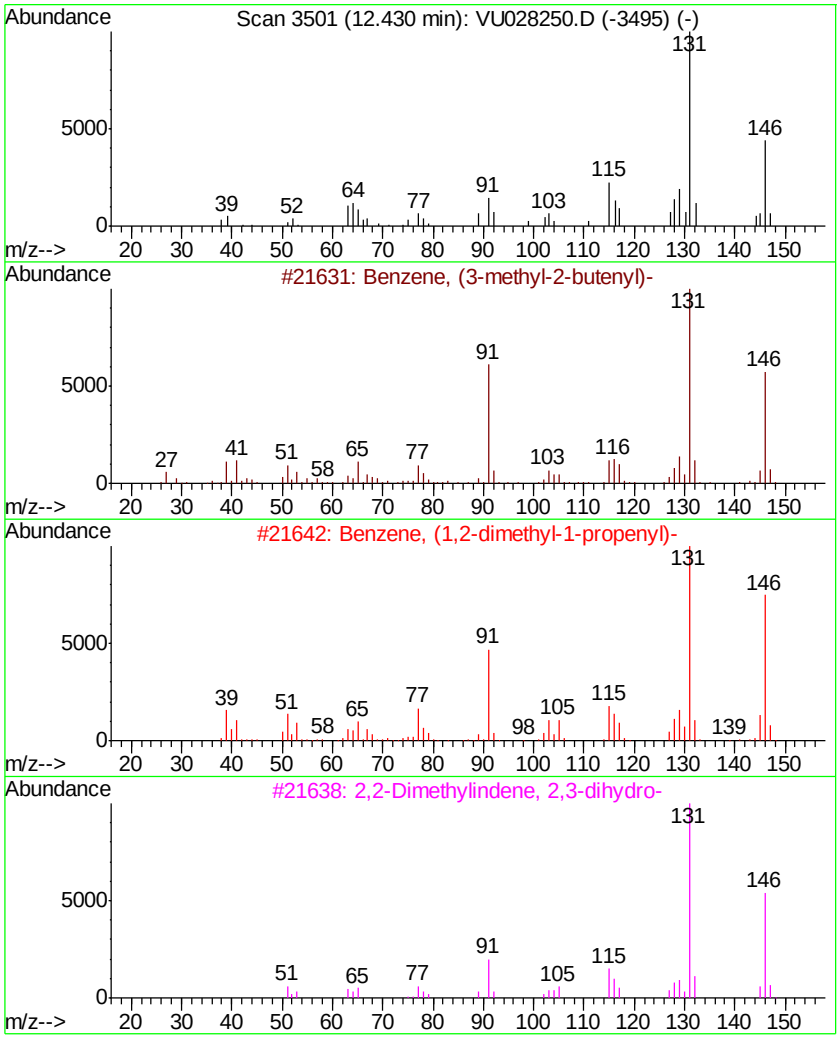
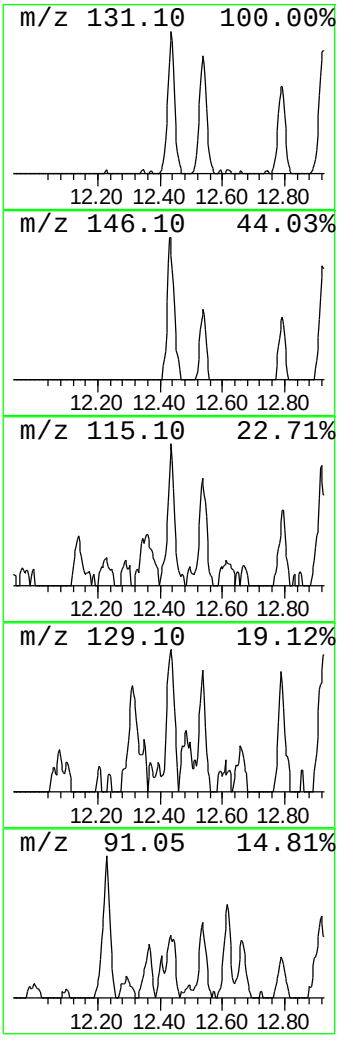
Peak Number 9 Benzene, (3-methyl-2-butenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	0.51 ug/L	36792	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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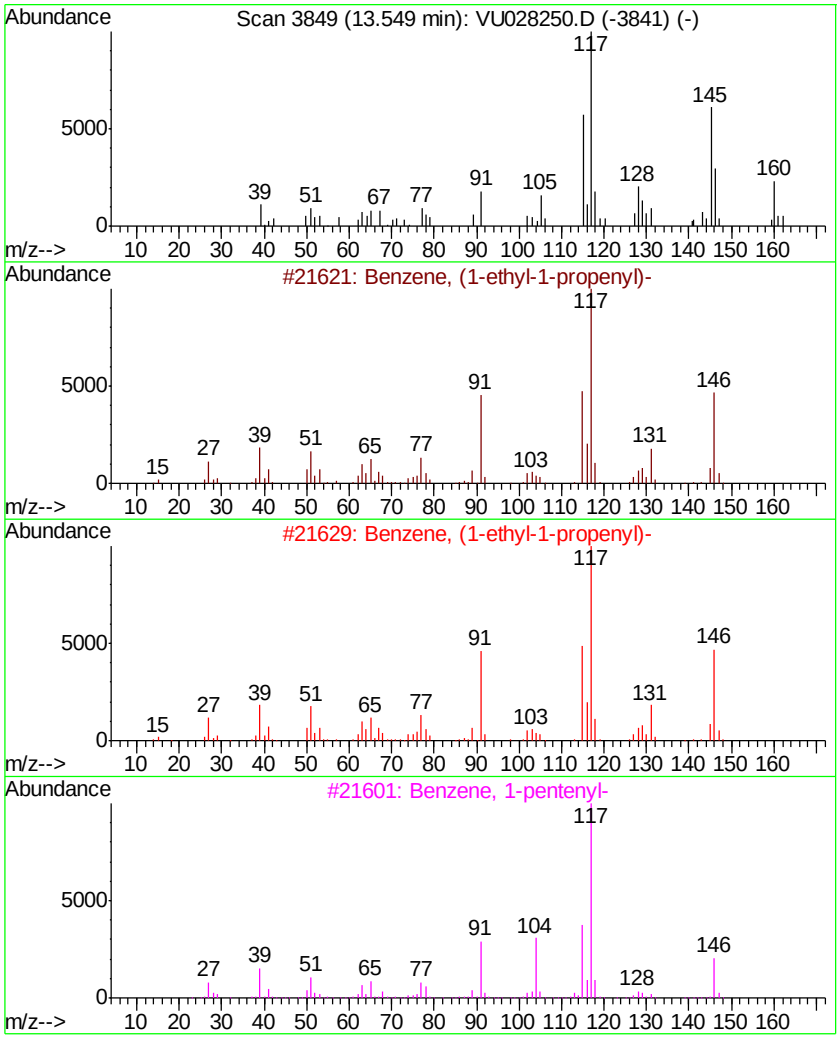
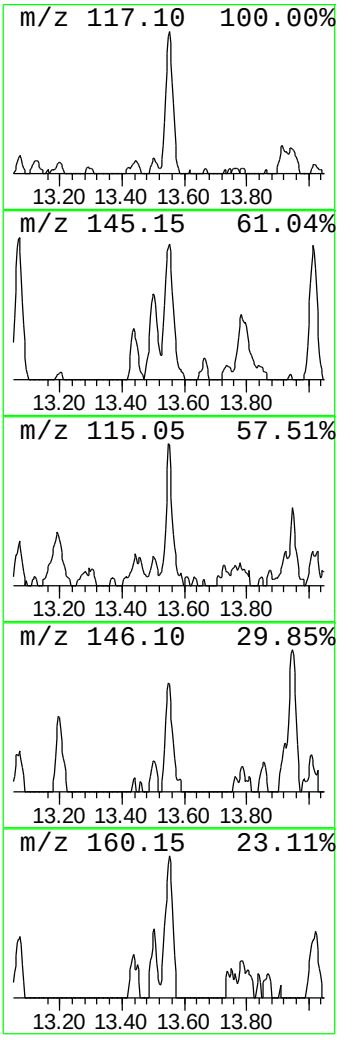
Peak Number 11 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	0.68 ug/L	48539	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	58
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	58
3	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	52
4	Bicyclo[4.2.1]nona-2,4,7-triene,...	146	C11H14	1000164-42-6	49
5	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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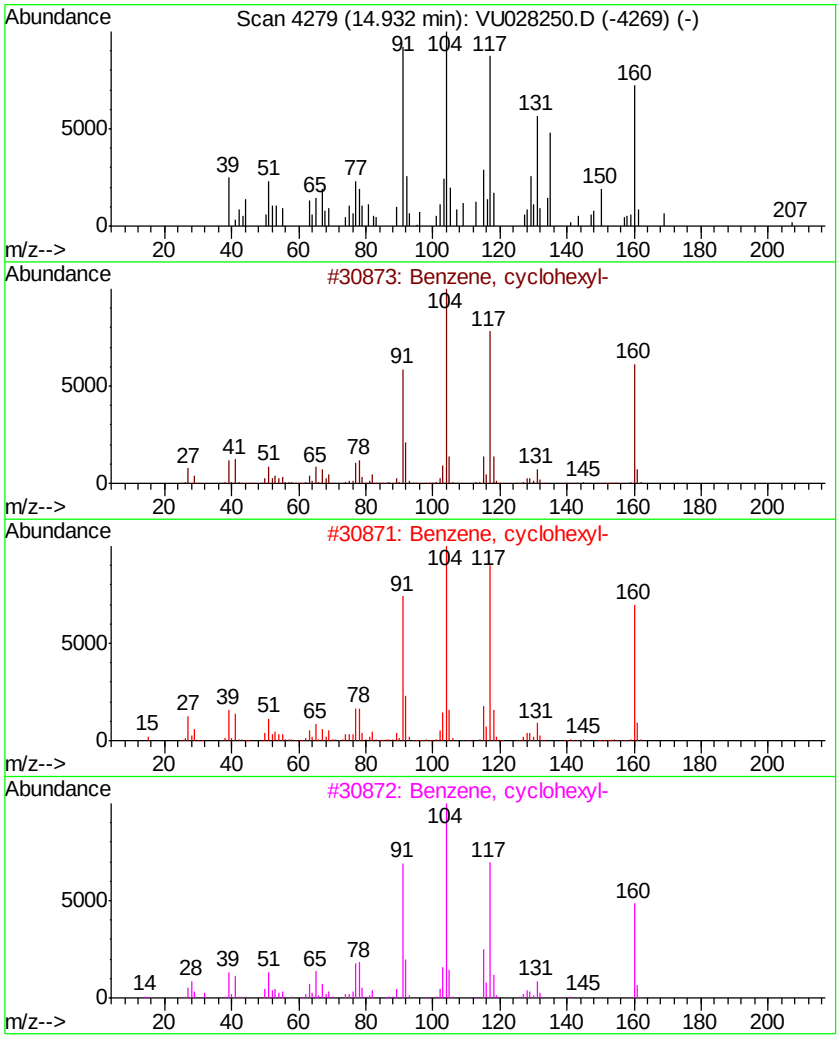
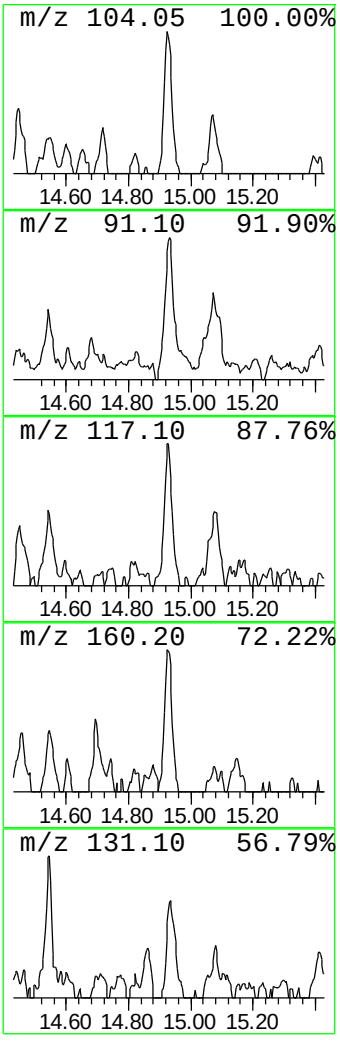
Peak Number 12 Benzene, cyclohexyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	0.55 ug/L	39537	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclohexyl-	160	C12H16	000827-52-1	70
2	Benzene, cyclohexyl-	160	C12H16	000827-52-1	70
3	Benzene, cyclohexyl-	160	C12H16	000827-52-1	70
4	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	55
5	Benzene, cyclohexyl-	160	C12H16	000827-52-1	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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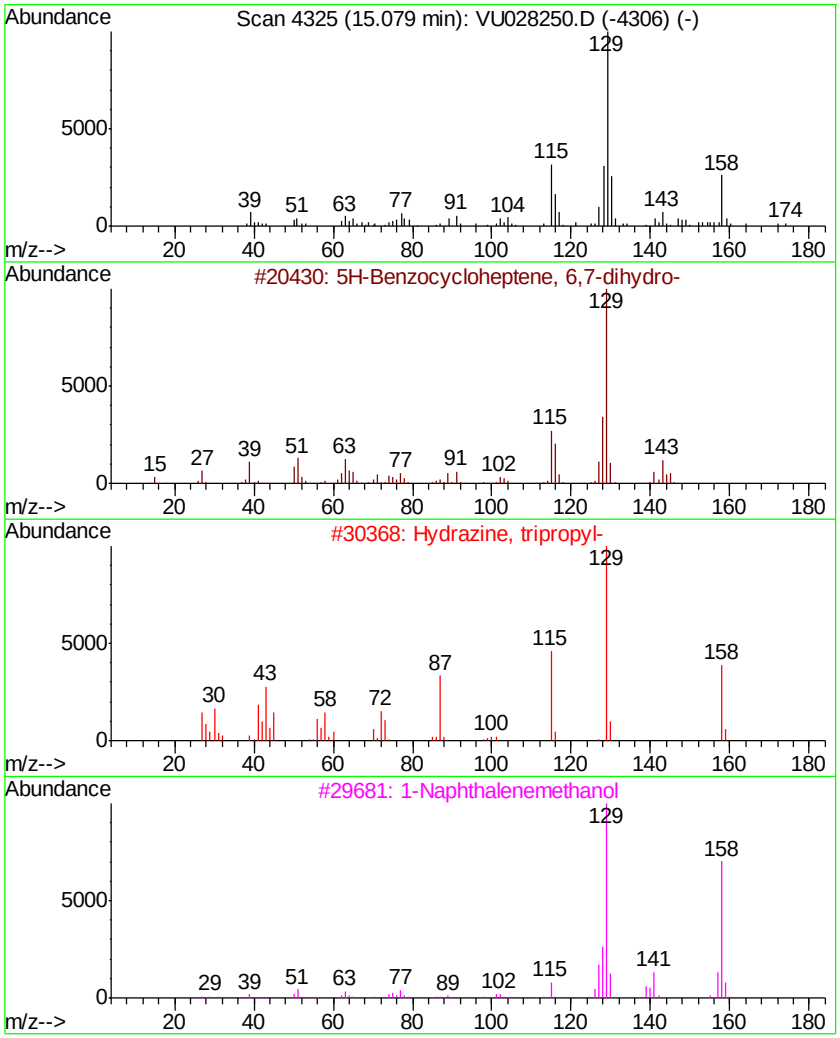
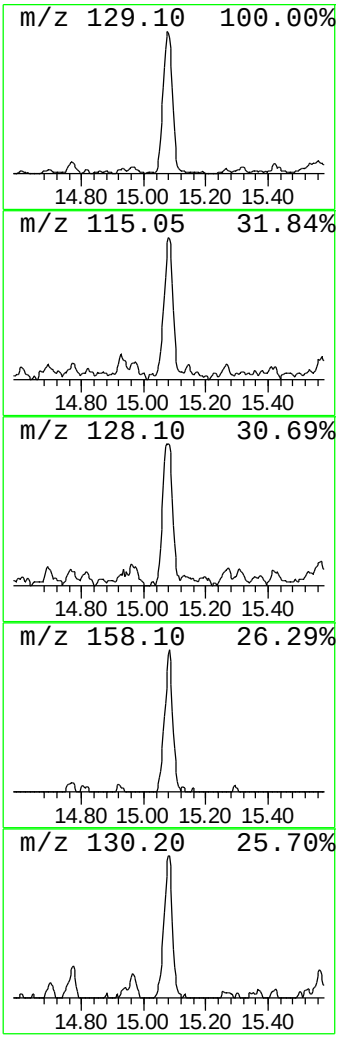
Peak Number 13 5H-Benzocycloheptene, 6,7-d... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	2.12 ug/L	151690	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Benzocycloheptene, 6,7-dihydro-	144	C11H12	007125-62-4	59
2	Hydrazine, tripropyl-	158	C9H22N2	067398-42-9	53
3	1-Naphthalenemethanol	158	C11H10O	004780-79-4	50
4	Benzonitrile, 4-ethenyl-	129	C9H7N	003435-51-6	47
5	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

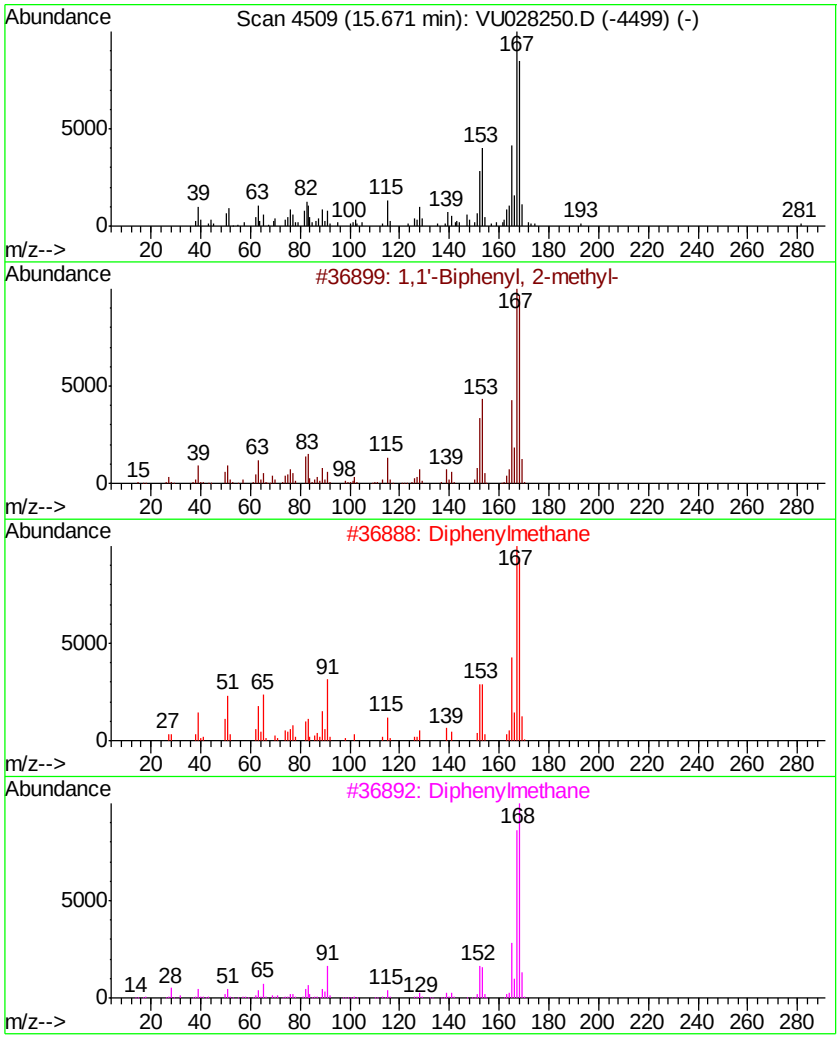
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

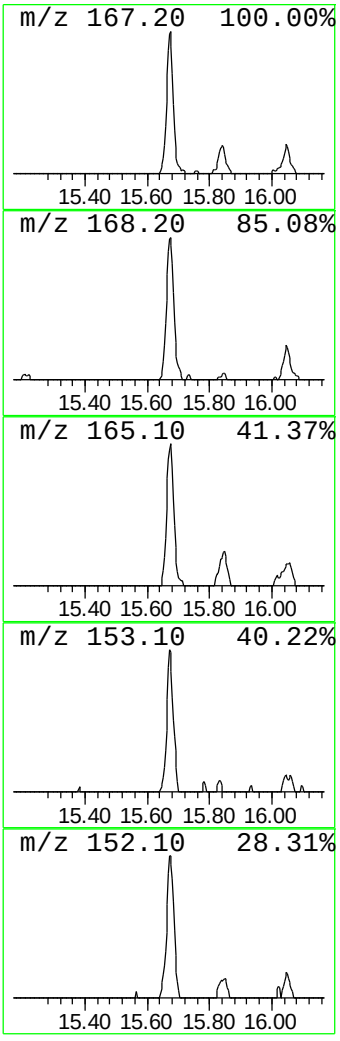
****

Peak Number 14 1,1'-Biphenyl, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	1.03 ug/L	73650	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	97
2	Diphenylmethane	168	C13H12	000101-81-5	91
3	Diphenylmethane	168	C13H12	000101-81-5	90
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
5	Diphenylmethane	168	C13H12	000101-81-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

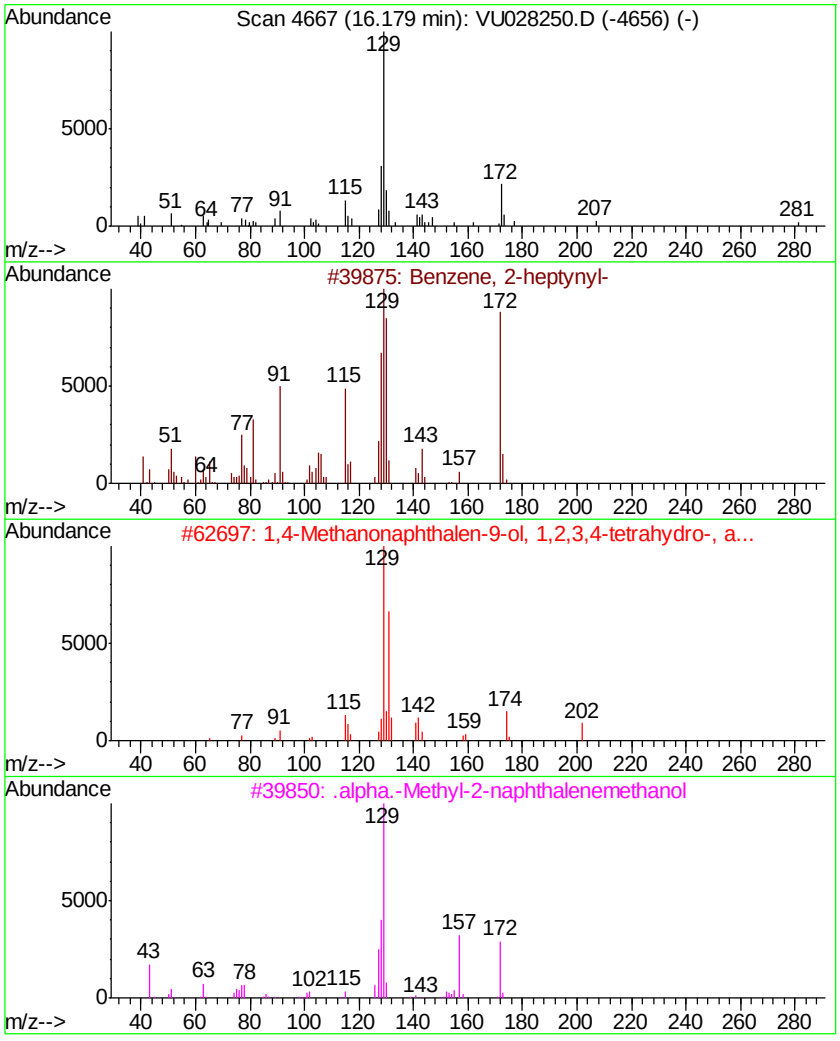
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

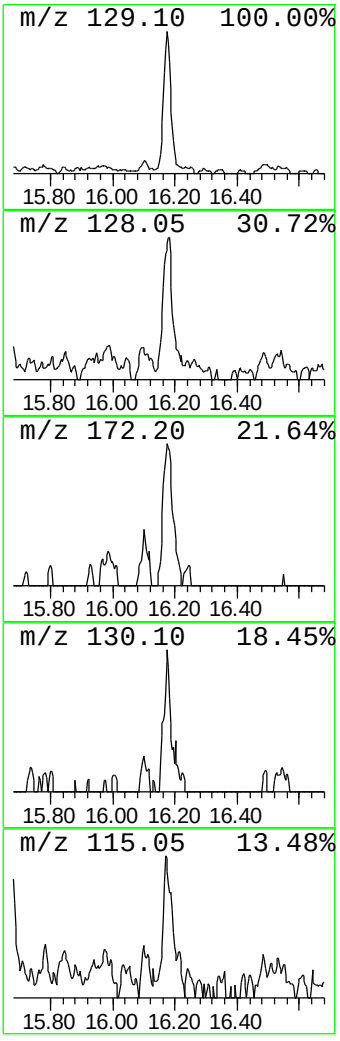
****

Peak Number 15 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	0.59 ug/L	41986	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-heptynyl-	172	C13H16	054725-17-6	43
2	1,4-Methanonaphthalen-9-ol, 1,2,...	202	C13H14O2	001207-27-8	42
3	.alpha.-Methyl-2-naphthalenemeth...	172	C12H12O	007228-47-9	42
4	1-Phenylcyclopentanenitrile	171	C12H13N	000077-57-6	38
5	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\
Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.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	39035	1	5.89	305318	5.0
(DEL) Alkane: Str...	3.99	1.0	ug/L	62177	1	5.89	305318	5.0
(DEL) Alkane: Str...	5.08	1.7	ug/L	101661	1	5.89	305318	5.0
(DEL) Alkane: Str...	5.53	2.4	ug/L	148863	1	5.89	305318	5.0
(DEL) Alkane: Str...	6.92	1.5	ug/L	93460	1	5.89	305318	5.0
(DEL) Alkane: Str...	7.05	1.9	ug/L	115568	1	5.89	305318	5.0
Benzene, tert-butyl-	11.10	0.7	ug/L	49096	3	11.48	357243	5.0
Benzene, (3-methy...	12.43	0.5	ug/L	36792	3	11.48	357243	5.0
Benzene, (1-ethyl...	13.55	0.7	ug/L	48539	3	11.48	357243	5.0
Benzene, cyclohexyl-	14.93	0.6	ug/L	39537	3	11.48	357243	5.0
5H-Benzocyclohept...	15.08	2.1	ug/L	151690	3	11.48	357243	5.0
1,1'-Biphenyl, 2-...	15.67	1.0	ug/L	73650	3	11.48	357243	5.0
unknown-01	16.18	0.6	ug/L	41986	3	11.48	357243	5.0