LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
Data File : VU024544.D
Acq On : 14 Jun 2018 16:53
Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 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\82U061318W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.092	147	156	176	rBV	773576	905360	12.96%	2.021%
2	1.761	356	364	375	rBV	149434	191117	2.74%	0.427%
3	1.950	416	423	442	rVB2	71642	106651	1.53%	0.238%
4	2.188	489	497	508	rVB	86740	129167	1.85%	0.288%
5	2.748	665	671	677	rVV3	60019	109299	1.56%	0.244%
6	2.796	677	686	710	rVB2	197762	436359	6.25%	0.974%
7	3.002	733	750	773	rBV	151021	332421	4.76%	0.742%
8	3.195	796	810	829	rVB3	33033	72519	1.04%	0.162%
9	3.561	907	924	941	rBV2	132315	305512	4.37%	0.682%
10	3.664	941	956	968	rVV2	93842	230726	3.30%	0.515%
11	3.738	968	979	991	rVV	68437	162274	2.32%	0.362%
12	3.815	992	1003	1015	rVV2	36375	87387	1.25%	0.195%
13	3.899	1015	1029	1048	rVB	100264	249458	3.57%	0.557%
14	4.101	1073	1092	1109	rBV	350657	936995	13.42%	2.091%
15	4.191	1109	1120	1141	rVB3	48949	128298	1.84%	0.286%
16	4.786	1280	1305	1322	rBV	209013	492657	7.05%	1.100%
17	4.889	1322	1337	1354	rBV	181430	412671	5.91%	0.921%
18	4.995	1354	1370	1387	rBV3	364041	927174	13.27%	2.070%
19	5.313	1457	1469	1482	rVV	175329	373903	5.35%	0.835%
20	5.397	1482	1495	1511	rVV	228549	514095	7.36%	1.147%
21	5.526	1514	1535	1556	rVV2	212906	634706	9.09%	1.417%
22	5.622	1557	1565	1581	rVB4	31691	79557	1.14%	0.178%
23	5.892	1635	1649	1659	rBV	343965	690025	9.88%	1.540%
24	5.950	1660	1667	1690	rVB5	96577	295081	4.22%	0.659%
25	6.230	1739	1754	1768	rVB4	56880	128996	1.85%	0.288%
26	6.419	1791	1813	1829	rBV3	141390	369338	5.29%	0.824%
27	6.850	1925	1947	1958	rBV6	65282	213063	3.05%	0.476%
28	7.072	1990	2016	2027	rBV	170677	346444	4.96%	0.773%
29	7.432	2117	2128	2146	rVB2	131930	243311	3.48%	0.543%
30	7.571	2149	2171	2184	rBV	661613	1203182	17.23%	2.686%
31	7.641	2184	2193	2206	rVB	67788	127737	1.83%	0.285%
32	7.718	2207	2217	2232	rBV3	34564	70020	1.00%	0.156%
33	7.866	2249	2263	2273	rBV2	60324	115703	1.66%	0.258%
34	7.960	2284	2292	2308	rVB	56840	96399	1.38%	0.215%

LSC Area Percent Report

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Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 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\82U061318W.M
Title : SW846 8260

35	9.095	2632	2645	2663	rBV	517768	885841	12.68%	1.977%
36	9.378	2719	2733	2750	rBV	362671	648248	9.28%	1.447%
37	9.731	2824	2843	2844	rBV4	39067	73183	1.05%	0.163%
38	9.956	2890	2913	2925	rBV3	103345	210201	3.01%	0.469%
39	10.050	2931	2942	2959	rBV8	60005	125647	1.80%	0.280%
40	10.169	2968	2979	3008	rVB	1084469	1718407	24.60%	3.836%
41	10.310	3012	3023	3036	rBV	539485	858442	12.29%	1.916%
42	10.590	3098	3110	3133	rBV	1954243	3011520	43.12%	6.722%
43	10.709	3134	3147	3157	rVV	90127	159065	2.28%	0.355%
44	10.976	3219	3230	3249	rVB	279403	462986	6.63%	1.033%
45	11.104	3253	3270	3278	rBV	76351	133615	1.91%	0.298%
46	11.294	3311	3329	3333	rBV	151685	241691	3.46%	0.539%
47	11.326	3333	3339	3354	rVB	282097	443990	6.36%	0.991%
48	11.487	3377	3389	3405	rBV	699050	1085186	15.54%	2.422%
49	11.574	3407	3416	3430	rVV	102274	160013	2.29%	0.357%
50	11.693	3443	3453	3463	rVB	140893	215575	3.09%	0.481%
51	11.770	3463	3477	3497	rBV	4239534	6984428	100.00%	15.590%
52	11.869	3497	3508	3511	rBV	176301	257427	3.69%	0.575%
53	11.985	3533	3544	3557	rBV	187445	291326	4.17%	0.650%
54	12.059	3557	3567	3578	rVB	66465	105802	1.51%	0.236%
55	12.255	3615	3628	3634	rBV	1139443	1749985	25.06%	3.906%
56	12.291	3634	3639	3649	rVB	430028	620065	8.88%	1.384%
57	12.358	3649	3660	3680	rBV2	1016945	2173913	31.13%	4.852%
58	12.541	3707	3717	3731	rVB	168627	279625	4.00%	0.624%
59	12.651	3732	3751	3762	rBV	745257	1213032	17.37%	2.708%
60	12.789	3784	3794	3811	rVB2	71760	114576	1.64%	0.256%
61	12.882	3811	3823	3829	rBV	66010	104444	1.50%	0.233%
62	12.927	3830	3837	3842	rVV3	83910	142075	2.03%	0.317%
63	12.966	3842	3849	3870	rVB	295039	507051	7.26%	1.132%
64	13.123	3876	3898	3910	rBV2	1866543	3026837	43.34%	6.756%
65	13.191	3914	3919	3928	rVV7	64316	115561	1.65%	0.258%
66	13.239	3928	3934	3943	rVV	45109	78487	1.12%	0.175%
67	13.297	3944	3952	3969	rVB4	82963	150567	2.16%	0.336%
68	13.410	3977	3987	3994	rBV2	43085	74521	1.07%	0.166%
69	13.461	3995	4003	4010	rVB	73064	109385	1.57%	0.244%
70	13.512	4010	4019	4028	rBV3	164050	247398	3.54%	0.552%
71	13.583	4033	4041	4045	rVV2	94322	168063	2.41%	0.375%

LSC Area Percent Report

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Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 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\82U061318W.M
Title : SW846 8260

72	13.612	4045	4050	4068	rVB2	130227	263780	3.78%	0.589%
73	13.744	4078	4091	4099	rBV2	72164	138317	1.98%	0.309%
74	13.792	4099	4106	4116	rVB	47543	71758	1.03%	0.160%
75	13.856	4116	4126	4140	rBV	115399	181336	2.60%	0.405%
76	13.953	4140	4156	4168	rBV2	95713	205823	2.95%	0.459%
77	14.156	4209	4219	4236	rBV4	41934	104450	1.50%	0.233%
78	14.352	4265	4280	4301	rVB3	186432	407199	5.83%	0.909%
79	14.541	4330	4339	4352	rVB4	65345	118154	1.69%	0.264%
80	14.680	4371	4382	4399	rBV2	201722	341164	4.88%	0.761%
81	14.876	4433	4443	4454	rBV4	43639	93815	1.34%	0.209%
82	15.065	4490	4502	4516	rBV	1054205	1680426	24.06%	3.751%
83	15.917	4756	4767	4779	rBV	91936	161911	2.32%	0.361%
84	16.062	4800	4812	4819	rBV	148208	247574	3.54%	0.553%
85	16.101	4819	4824	4839	rVB	79374	120315	1.72%	0.269%

Sum of corrected areas: 44801805

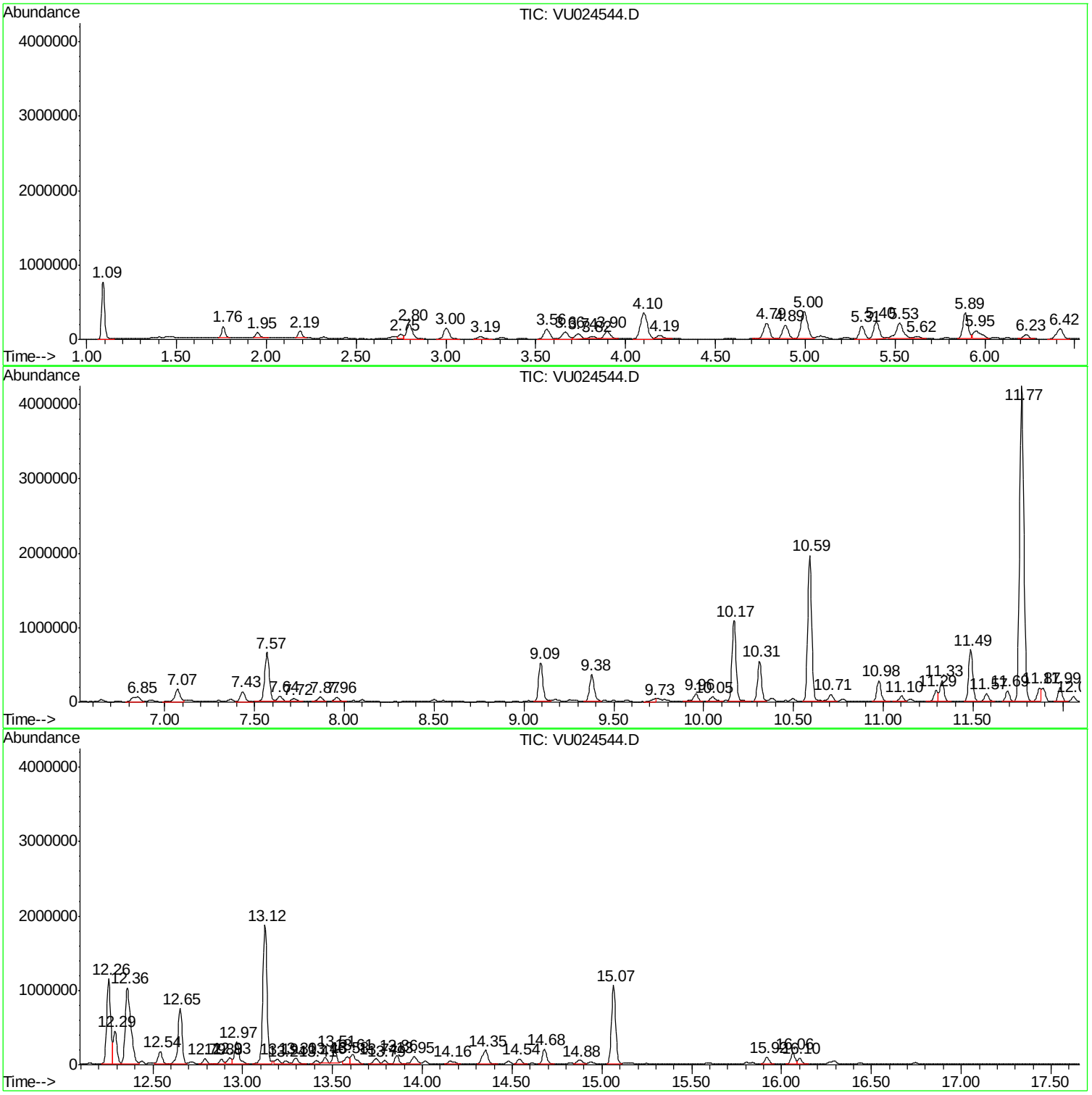
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
Data File : VU024544.D
Acq On : 14 Jun 2018 16:53
Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061418\
Data File : VU024544.D
Acq On : 14 Jun 2018 16:53
Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

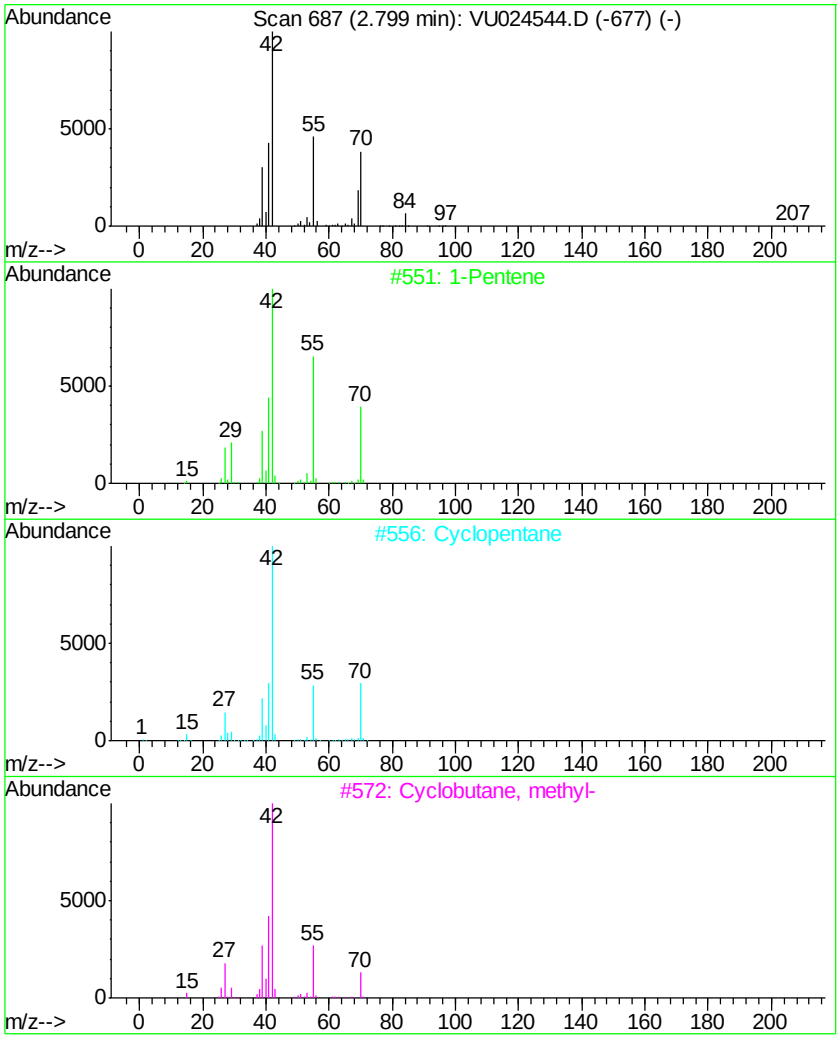
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

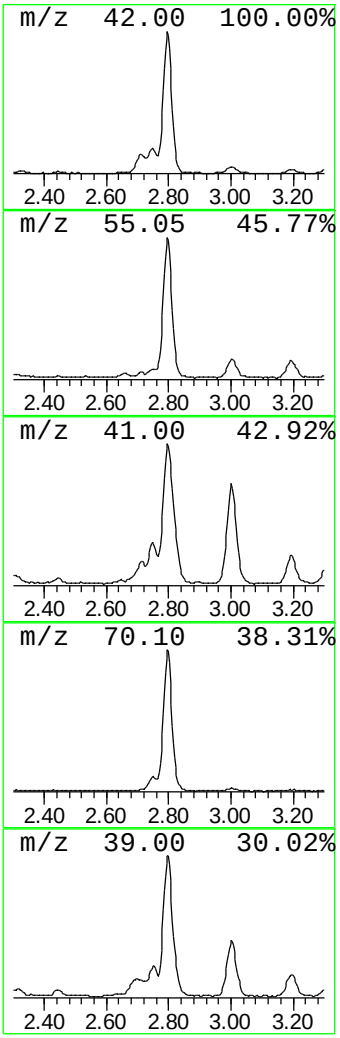
****

Peak Number 2 1-Pentene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.80	23.53 ug/l	436359	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	80
2	Cyclopentane	70	C5H10	000287-92-3	72
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	59
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	50
5	1-Pentanol	88	C5H12O	000071-41-0	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061418\
Data File : VU024544.D
Acq On : 14 Jun 2018 16:53
Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

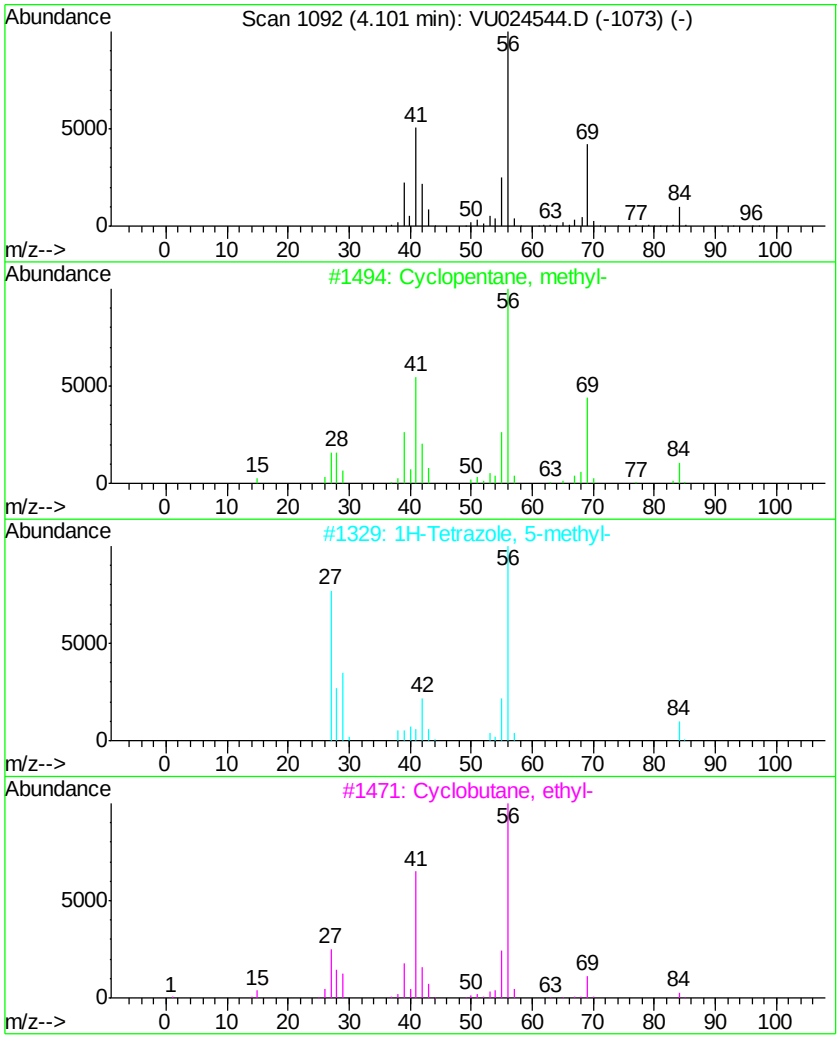
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

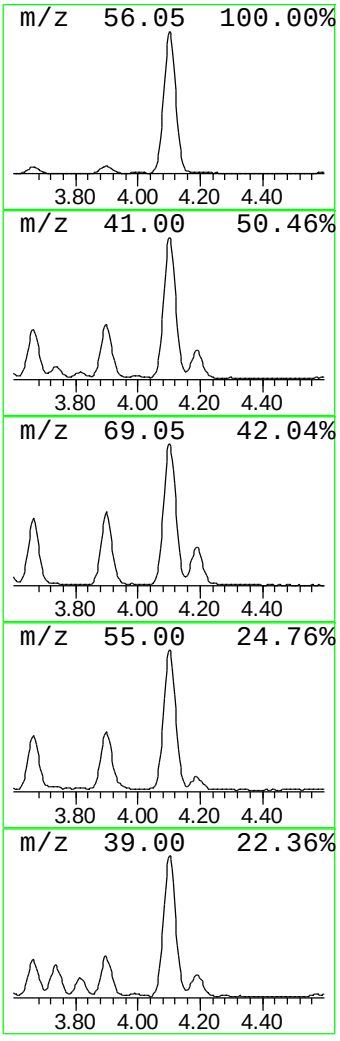
****

Peak Number 3 Cyclopentane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.10	50.53 ug/l	936995	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	Cyclohexane	84	C6H12	000110-82-7	56
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061418\
Data File : VU024544.D
Acq On : 14 Jun 2018 16:53
Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

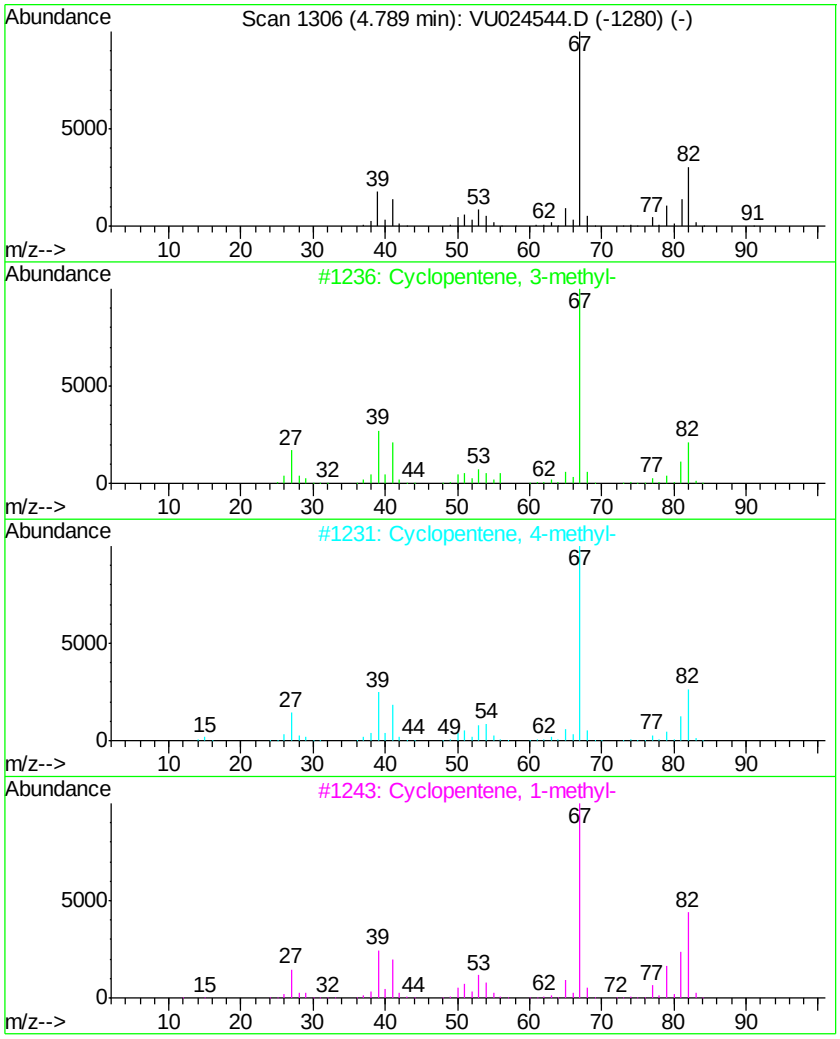
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

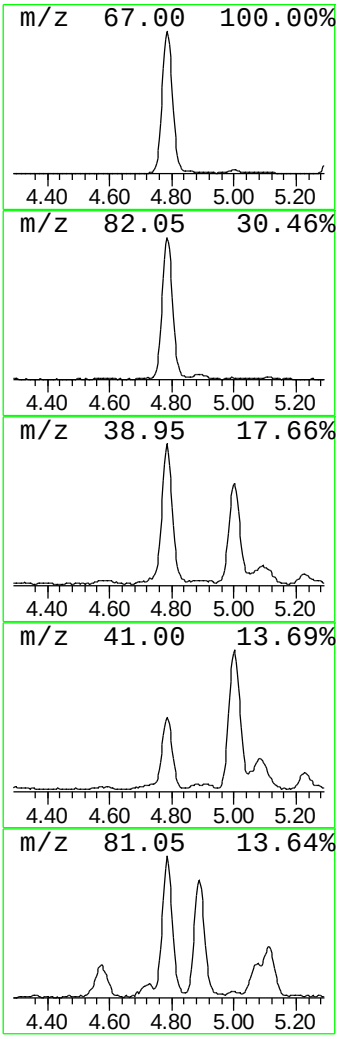
****

Peak Number 4 Cyclopentene, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	26.57 ug/l	492657	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91
2	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
4	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	80
5	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061418\
Data File : VU024544.D
Acq On : 14 Jun 2018 16:53
Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

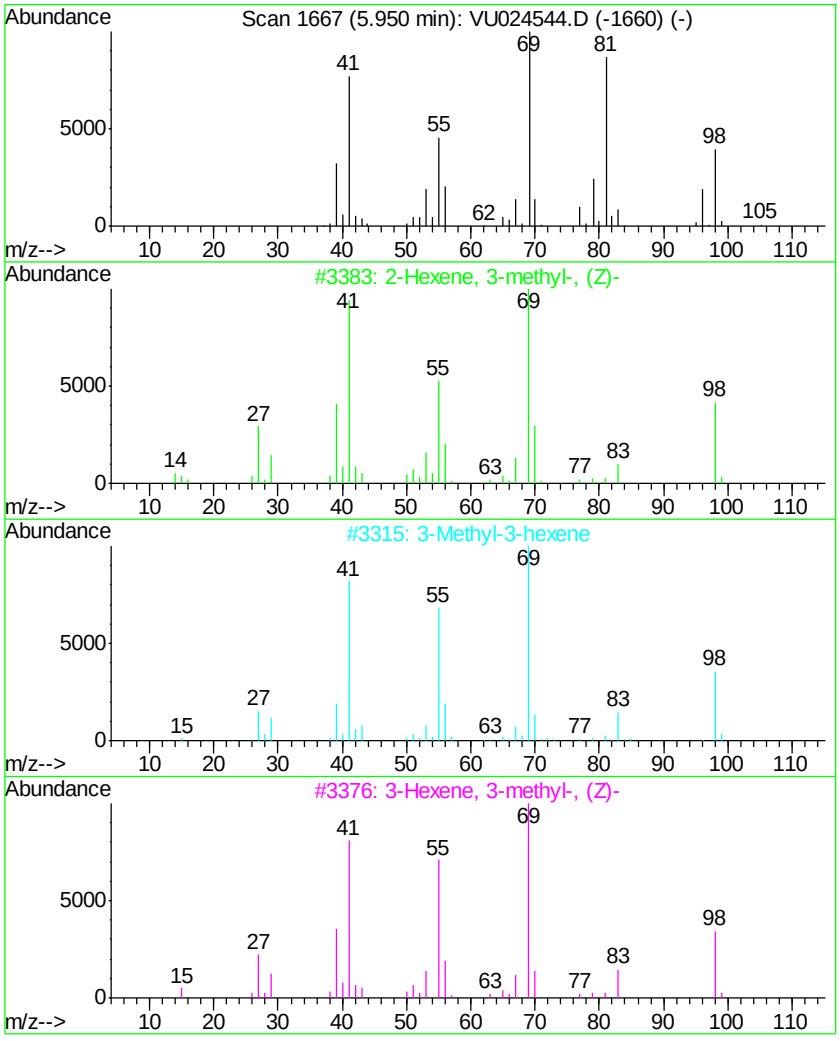
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

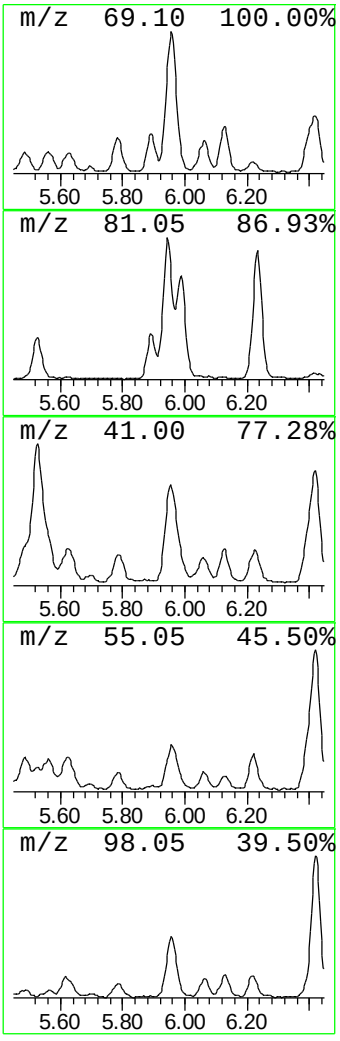
****

Peak Number 6 2-Hexene, 3-methyl-, (Z)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	21.38 ug/l	295081	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	50
2	3-Methyl-3-hexene	98	C7H14	003404-65-7	46
3	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	46
4	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	45
5	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061418\
Data File : VU024544.D
Acq On : 14 Jun 2018 16:53
Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

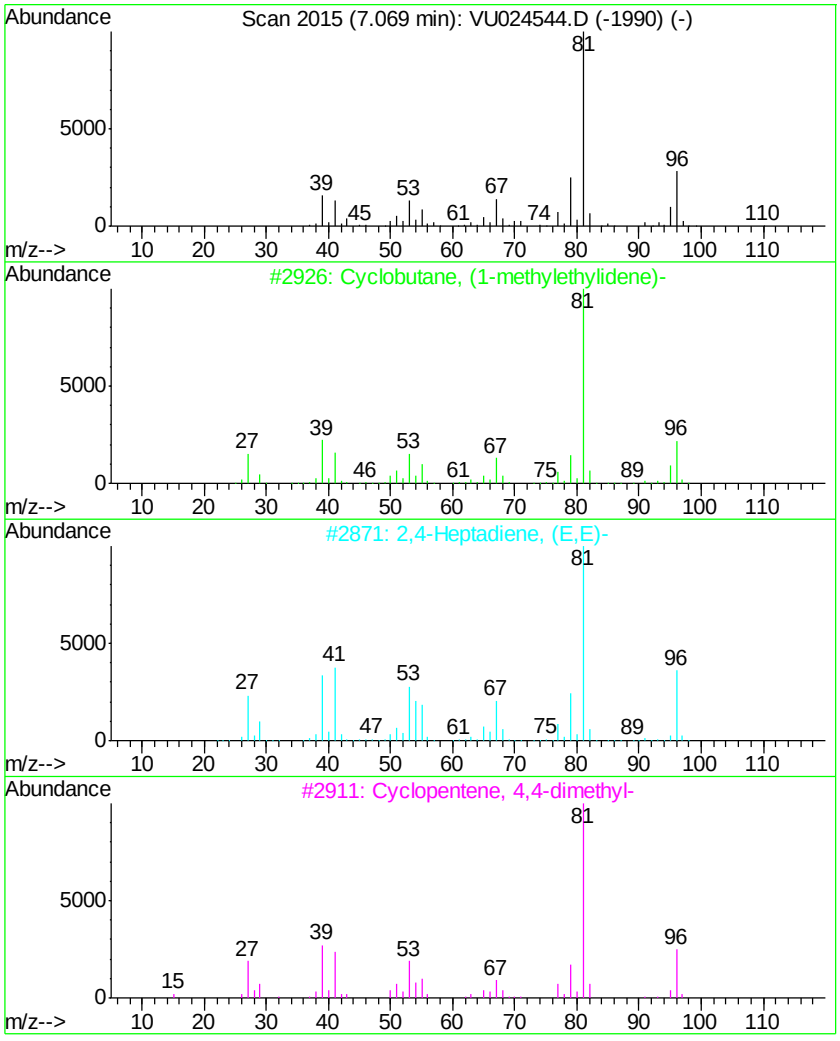
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

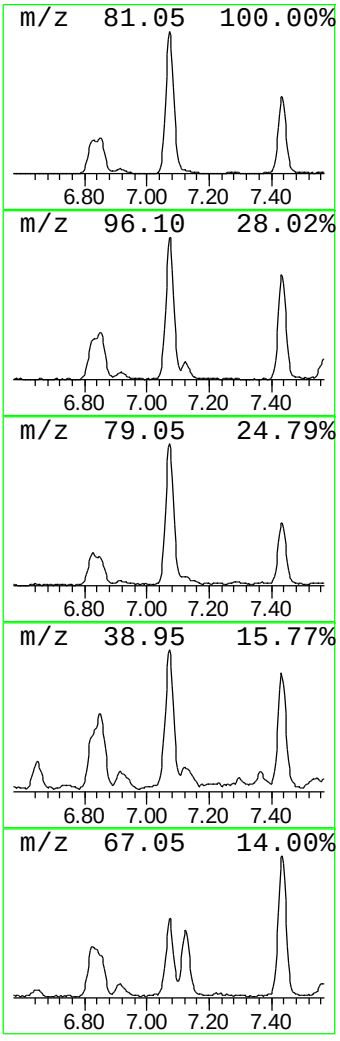
****

Peak Number 7 Cyclobutane, (1-methylethyl... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	25.10 ug/l	346444	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	87
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	87
4	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	78
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061418\
Data File : VU024544.D
Acq On : 14 Jun 2018 16:53
Operator : MD/SY
Sample : J3443-08
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ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

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

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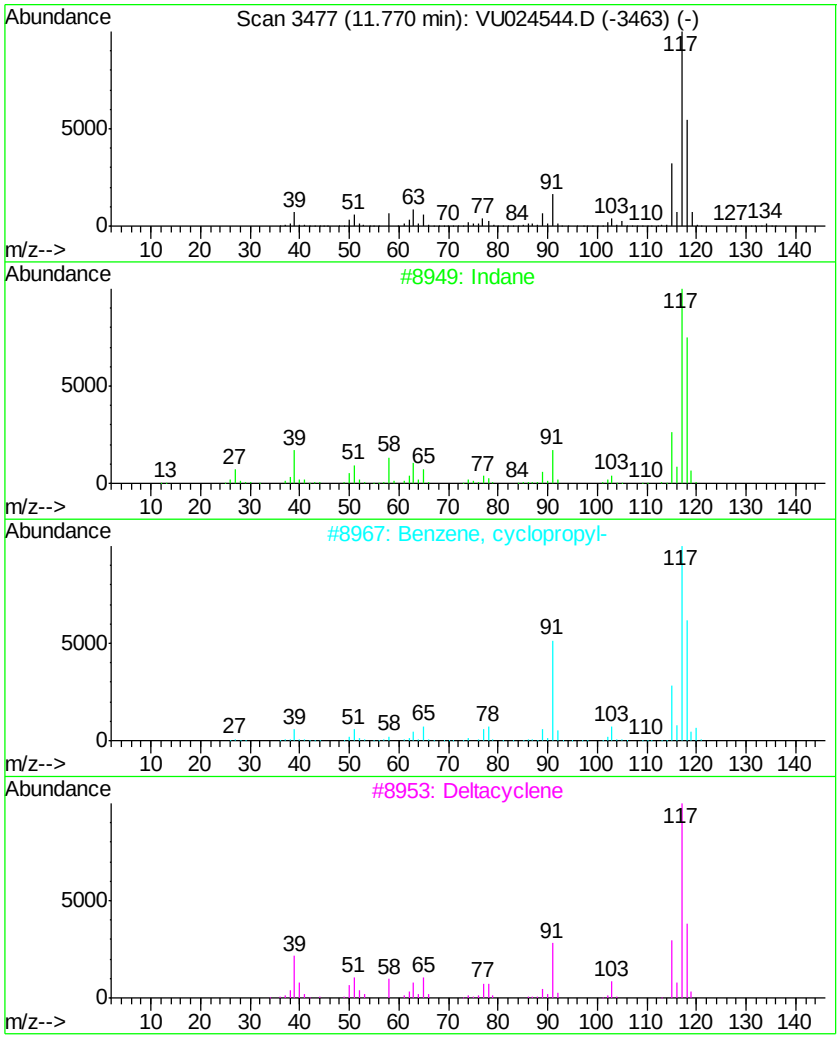
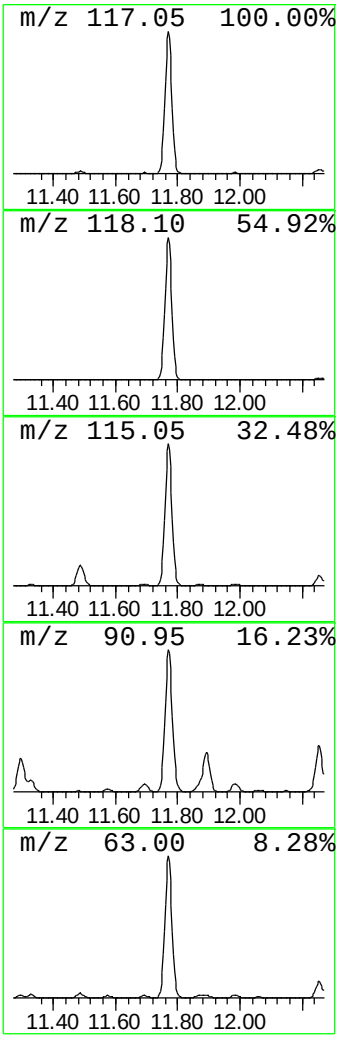
Peak Number 8 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	321.81 ug/l	6984430	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	80
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
5	Benzeneethanol, .beta.-ethenyl-....	162	C11H14O	040596-14-3	50





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Data File : VU024544.D
Acq On : 14 Jun 2018 16:53
Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

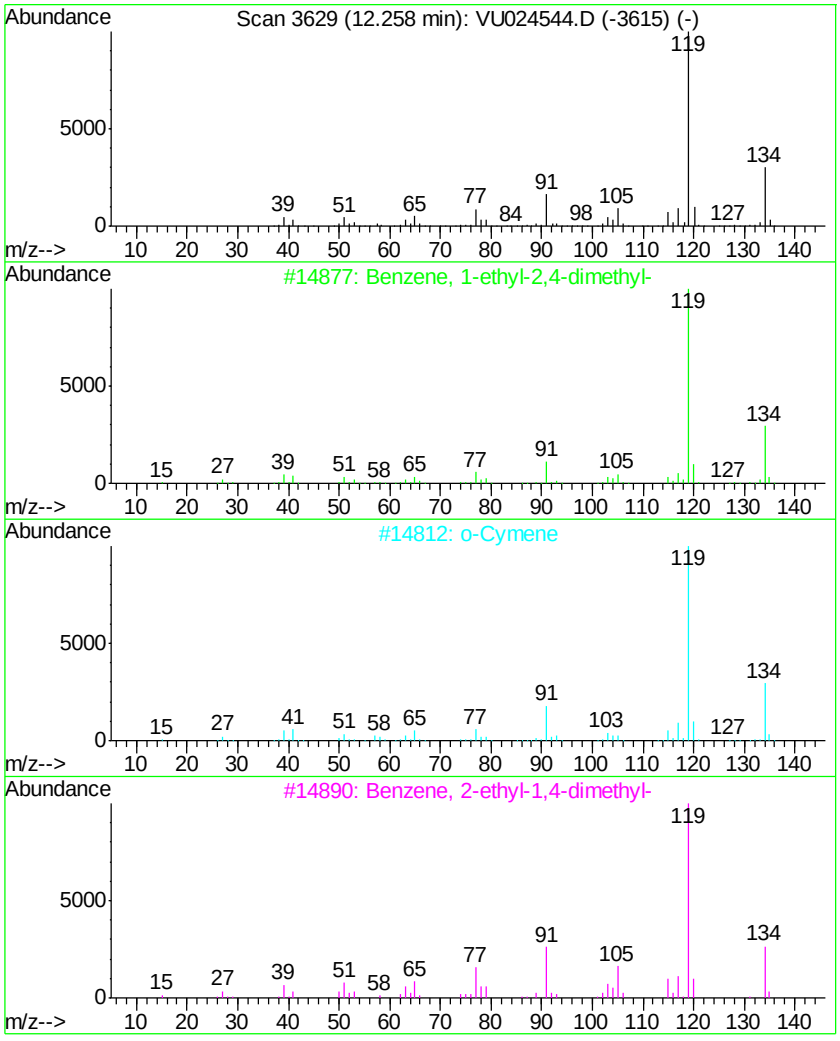
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

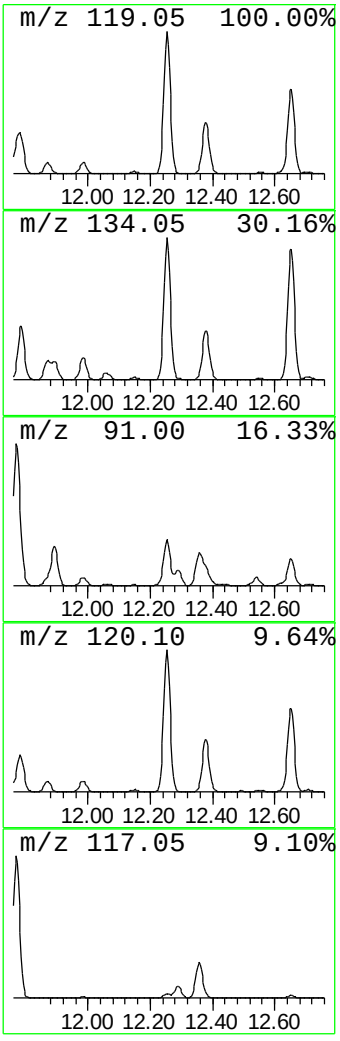
****

Peak Number 9 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	80.63 ug/l	1749990	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061418\
Data File : VU024544.D
Acq On : 14 Jun 2018 16:53
Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

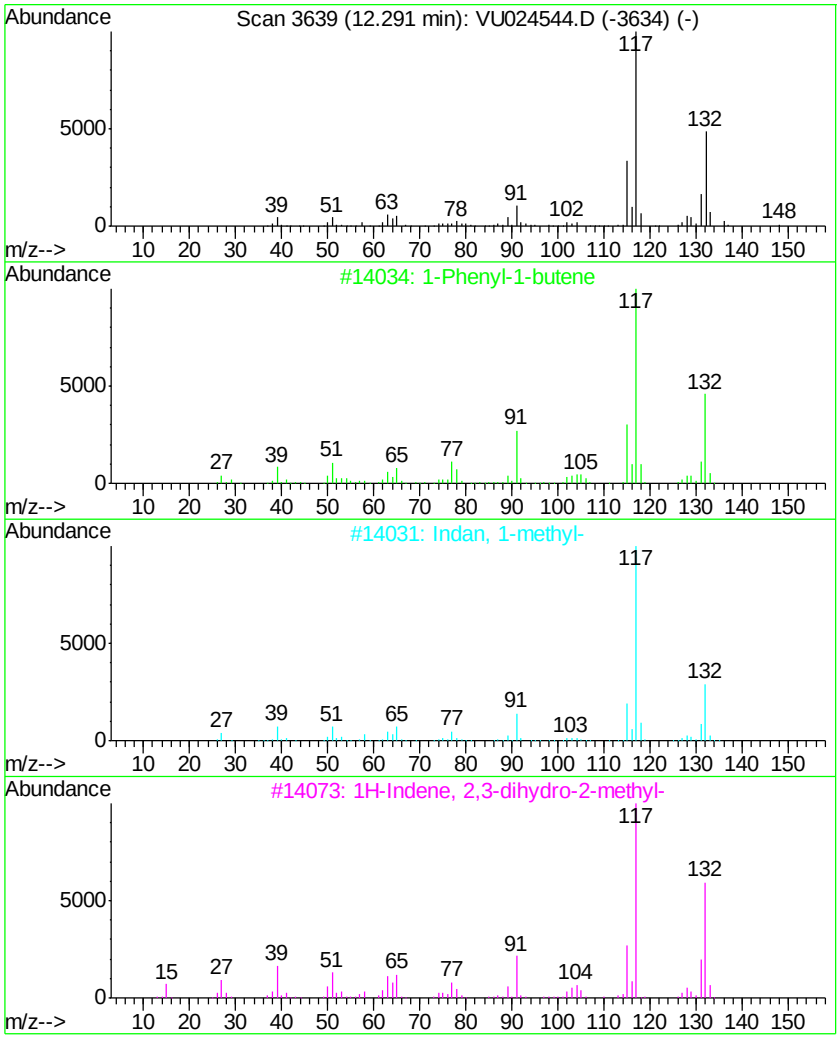
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

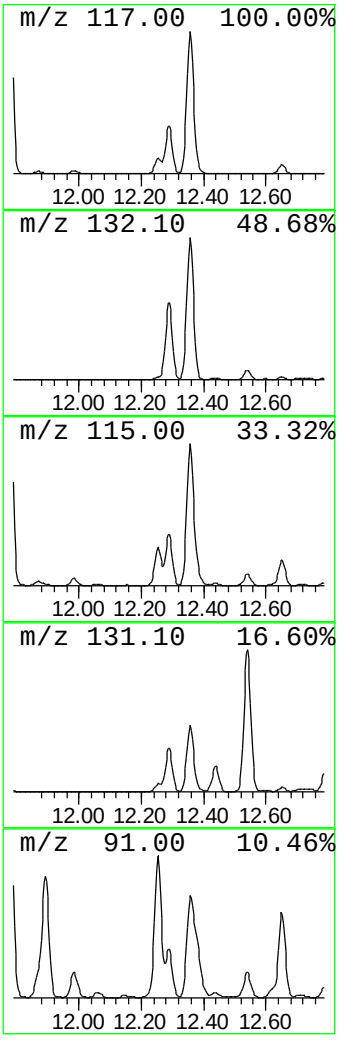
****

Peak Number 10 1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	28.57 ug/l	620065	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061418\
Data File : VU024544.D
Acq On : 14 Jun 2018 16:53
Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T3-MW-1-9.0-061118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Pentene	2.80	23.5	ug/l	436359	1	4.99	927174	50.0
Cyclopentane, met...	4.10	50.5	ug/l	936995	1	4.99	927174	50.0
Cyclopentene, 3-m...	4.79	26.6	ug/l	492657	1	4.99	927174	50.0
2-Hexene, 3-methy...	5.95	21.4	ug/l	295081	2	5.89	690025	50.0
Cyclobutane, (1-m...	7.07	25.1	ug/l	346444	2	5.89	690025	50.0
Indane	11.77	321.8	ug/l	6984430	4	11.49	1085190	50.0
Benzene, 1-ethyl-...	12.26	80.6	ug/l	1749990	4	11.49	1085190	50.0
1-Phenyl-1-butene	12.29	28.6	ug/l	620065	4	11.49	1085190	50.0